



Revision 1, Addendum 2 - VI Mitigation Work Plan

South Dayton Dump and Landfill Site Moraine, Ohio

Submitted to:
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1. Introduction

This addendum to the Vapor Intrusion (VI) Mitigation Work Plan (CRA, May 2013) for the South Dayton Dump and Landfill Site (Site), Moraine, Ohio is intended to update the existing VI Mitigation Work Plan to describe proposed sampling activities required to measure explosive limits in utility corridors during seasonal periods of elevated methane levels. Revision 1 of the Addendum provides an update to remove obligations of Respondents to monitor soil gas probes that contain elevated levels of contaminants that are not associated with the Site.

This addendum is intended to be used in conjunction with the VI Mitigation Work Plan and is not a stand-alone document.

2. Sampling Activities

2.1 Landfill Gas and Soil Vapor Sampling

The VI Mitigation Work Plan outlines the measurement and recording of methane levels using a portable combustible gas meter, specifically LandTec GEM 2000 or equivalent, which is capable of reporting the concentration of methane in units of percentage of the LEL of methane (i.e., 0 to 100 percent of LEL). The Work Plan did not specify an end date with regards to methane monitoring but the Respondents continued to monitor methane on a weekly basis between January 19, 2012, and April 2, 2014 in Building 15 (SIM Trainer) and between November 9, 2012 and April 2, 2014 in USEPA nested soil gas probe GP-2, in response to noted periods of elevated methane levels. During the VI mitigation conference call held on March 6, 2014, USEPA and the Respondents agreed to reduce the frequency of methane monitoring from weekly to monthly, conditional on the Respondents' submission of a plan detailing sampling activities to measure explosive limits in utility corridors during seasonal periods of elevated methane levels.

The USEPA (2005) document Guidance for Evaluating Landfill Gas Emissions from Closed or Abandoned Landfills states that warm landfill temperatures favor methane production, which may be affected by seasonal temperature fluctuations in cold climates where fill is shallow and sensitive to ambient temperatures, and that the highest methane concentrations occur in the warmer summer months. The Minnesota Pollution Control Agency (2011) document Guidelines for Monitoring for Landfill Gas at and Near Former Dumps states that methane generation can be non-existent at temperatures below 50°F. A review of methane results at GP-2 between November 2012 and November 2016 indicates that methane concentrations generally increase between June and October every year, with values exceeding 100 percent of LEL (i.e., greater than 5 percent methane by volume, in air) in the months of July, August, and September (Table 1). The increase in methane corresponds to an increase in ambient temperature throughout the summer months. On behalf of the Respondents, GHD submitted a letter to USEPA and Ohio EPA dated October 24, 2016, detailing evidence that the source of methane at GP-2 is not related to the South Dayton Dump and Landfill Site. Supporting evidence includes the consistent non-detectable levels of methane at soil gas probes along the Dryden Road Site boundary which demonstrate the lack of off-Site migration of methane; the proximity of GP-2 to the Dayton Power and Light (DP&L) Transportation Center and area former USTs; and stratigraphic conditions that do not encourage the lateral movement of subsurface soil gas along preferential pathways. The Respondents revised this addendum to

remove methane monitoring at locations which exhibit contamination that is not associated with the Site (e.g., GP-2).

Methane results for Building 15 (SIM Trainer) are presented in Table 2. Prior to the installation of the sub-slab depressurization system (SSDS) on January 9, 2014, methane concentrations were consistently greater than 10 percent of the LEL (0.5 percent methane) at sub-slab soil vapor Probe C (i.e. SS-15-C). The greatest methane concentrations, approximately 40-60 percent of the LEL (2 to 3 percent methane), were recorded during the warmer months of July, August, September, and October in 2012 and 2013. Respondents installed a permanent explosive gas monitor in Building 15 (SIM Trainer) on January 31, 2013 for continuous indoor air monitoring in addition to the weekly methane monitoring events. Since the SSDS system has been in operation, methane values have decreased and consistently ranged from 1 5 percent of the LEL (0.05 to 0.25 percent methane).

From 2012 to 2016, the Respondents conducted methane monitoring from soil gas probe GP-2 on a four tiered sampling system based on information provided in the USEPA (2005) and Minnesota Pollution Control Agency (2011) documents, and historical methane monitoring results completed at GP-2. Based on the apparent lack of connection between the Site and GP-2, Respondents will cease routine methane monitoring at GP-2 following USEPA approval of this Revision 1 to Addendum 2.

Methane monitoring will be conducted from sub-slab soil vapor probes (SSSVPs) at Building 15 (SIM Trainer) on a three-tiered sampling system based on information provided in the USEPA (2005) and Minnesota Pollution Control Agency (2011) documents, and historical methane results for Building 15 (SIM Trainer). Tier 1 sampling will be conducted monthly during periods where methane values in the SSSVPs are less than 10 percent of the LEL (0.5 percent methane by volume in air). Tier 2 sampling will be collected biweekly when methane values in the SSSVPs are between 10 and 100 percent of the LEL (0.5 to 5 percent methane) and Tier 3 sampling will be completed when methane values in the SSSVPs are greater than 100 percent of the LEL (5 percent methane). The detection of methane in any of the SSSVPs at values greater than 10 percent of the LEL (0.5 percent methane) will increase the monitoring plan frequency from Tier 1 to Tier 2 status (monthly to biweekly sampling). When methane values in all of the SSSVPs decrease to less than 10 percent of the LEL (0.5 percent methane), methane monitoring frequency will decrease from Tier 2 biweekly sampling to Tier 1 monthly sampling. Similarly, the detection of methane in any of the SSSVPs at values greater than 100 percent of the LEL (5 percent methane) will increase the monitoring plan frequency to Tier 3 status (weekly sampling). Weekly sampling will continue until methane levels in all SSSVPs are reduced to less than 100 percent of the LEL (5 percent methane). If the Building 15 SSSVP methane levels remain less than 10 percent of the LEL (0.5 percent methane) for three consecutive months, the monitoring frequency will decrease from Tier 1 monthly sampling to Tier 4 semi-annual sampling (i.e., in January and July). If the Building 15 SSSVP Tier 4 semi-annual methane levels remain less than 10 percent of the LEL (0.5 percent methane) for 2 calendar years (i.e., sample rounds), methane monitoring frequency will decrease from Tier 4 semi-annual sampling to Tier 5 annual sampling. The five tiered sampling plan for Building 15 (SIM Trainer) sub-slab soil vapor probes is outlined in Table 2.1.

Table 2.1 - Five-Tiered Sampling Plan for Sub-slab Soil Vapor Monitoring at Building 15 (SIM Trainer)

	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5
Triggering Condition	Methane levels less than 10 percent of the LEL (0.5 percent methane) in all SSSVPs	Methane levels between 10 and 100 percent of the LEL (0.5 to 5 percent methane) in any SSSVP.	Methane levels greater than 100 percent of the LEL (5 percent methane) in any SSSVP	3 consecutive months of methane levels less than 10 percent of the LEL (0.5 percent methane)	2 years of methane levels less than 10 percent of the LEL (0.5 percent methane)
Action	Monthly sampling	Biweekly sampling	Weekly sampling	Semi-annual sampling	Annual sampling
Exit Condition	If methane levels are less than 10 percent of the LEL (0.5 percent methane) in all SSSVPs for 3 consecutive months, decrease frequency to semi-annual monitoring (Tier 4)	Methane levels less than 10 percent of the LEL in all SSSVPs (0.5 percent methane). Resume Tier 1 sampling.	Methane levels less than 100 percent of the LEL in all SSSVPs (5 percent methane) Resume Tier 2 sampling.	If methane levels are less than 10 percent of the LEL (0.5 percent methane) for 2 years (i.e., 4 sample rounds), decrease frequency to annual monitoring (Tier 5)	Reevaluate the potential for landfill gas migration and VI during the Remedial Design/Remedial Action. End sampling following implementation of the Remedial Action

The Respondents will reevaluate the potential for landfill gas migration and vapor intrusion during the Remedial Design/Remedial Action, and additional actions will be taken if required.

2.1.1 Soil Vapor Sampling in Utility Corridors

Respondents obtained and reviewed buried utility information provided by Ohio Utilities Protection Services (OUPS) in order to examine the possibility of preferential gas migration pathways to GP-2. The location of buried utilities were summarized in the GHD memorandum to USEPA and Ohio EPA dated September 21, 2016,

In September 2016, GHD completed a visual inspection and methane monitoring at three pairs of storm water inlets, four manholes, and one sanitary manhole located along Dryden Road in the area of GP-2. From the visual inspection, GHD determined that storm water flows from east to west across Dryden Road, and then north.

On September 28, 2016 and October 7, 2016, GHD completed methane monitoring at the storm water inlets and manholes in the vicinity of GP-2; methane was not detected at these locations. After the installation of the SSDS on January 9, 2014, at Building 15 (SIM Trainer), methane levels in SSSVPs have been consistently measured between 0 to 10 percent of the LEL (0 to 0.5 percent methane). The Respondents propose that results of methane monitoring from Building 15 (SIM Trainer) SSSVPs SS-15-A, SS-15-B, and SS-15-C be used as a screening tool to determine when

additional methane monitoring will be completed at nearby soil gas probes. Any detection of methane at any Building 15 (SIM Trainer) SSSVPs at concentrations greater than 10 percent of the LEL (0.5 percent methane) will require an immediate sampling round consisting of adjacent USEPA nested soil gas probe GP-3 and on Site landfill gas probes GP14-09 and GP15-09, henceforth referred to as Building 15 area probes. All Building 15 area probes where methane values are greater than 10 percent of the LEL (0.5 percent methane) will then require biweekly sampling until methane values are less than 10 percent of the LEL (0.5 percent methane). Weekly sampling will be completed at any Building 15 area probe where methane values are greater than 100 percent of the LEL (5 percent methane) and detection of methane at levels greater than 100 percent of the LEL (5 percent methane) for two consecutive rounds will result in soil gas screening and/or sampling of utility corridors adjacent to the probe(s) in exceedance (see below for sampling techniques). Further action will not be required at any Building 15 area probes where methane values are less than 10 percent of the LEL (0.5 percent methane). Building 15 (SIM Trainer) SSSVPs will continue to be sampled for methane in accordance with the criteria outlined in Table 2.1.

Once the conditions for additional methane monitoring in the adjacent utility corridors have been met (described above), the Respondents propose either of the following methods be used for utility corridor sampling along the Site boundary. The first method requires soil vapor monitoring within sewers and the associated manholes, as discussed in the Wisconsin Department of Natural Resources Guidance for Documenting the Investigation of Utility Corridors (2013). Soil vapor sampling within manholes and sewers along the Site boundary will be conducted by lowering a portable combustible gas analyzer into the manhole/sewer. In the event where GHD field staff is unable to access the manhole/sewer, they will fill a Tedlar bag using a lung sampler with a long probe, which will then be field screened for methane. The second method involves installation of soil gas probes within or near identified utility corridors. This option would be used when it was not possible to access the utility via a manhole or other means of access. GHD will install soil gas probes in the bedding material surrounding the underground utility(ies) located along the Site boundary, via hand digging. Weekly monitoring will be conducted at the newly installed soil gas probe locations to determine when conditions have stabilized and equilibrium has been re-established prior to completion of methane monitoring. Soil gas sampling from the newly installed soil gas probes will be conducted as outlined in the GHD Field Sampling Plan (GHD, 2016).

The detection of methane at levels greater than 100 percent of the LEL (5 percent methane) from sampled utility corridors along the Site boundary will require the Respondents to pursue further remedial action in order to lower Site related methane levels to below the LEL. In the event that Respondents measure methane levels greater than 100 percent of the LEL at soil gas probes along the Site boundary, Respondents will collect methane measurements from soil gas probes located along the east side of Dryden Road (i.e., GP-2 and/or GP-5) as a screening and evaluation tool to determine follow-up actions.

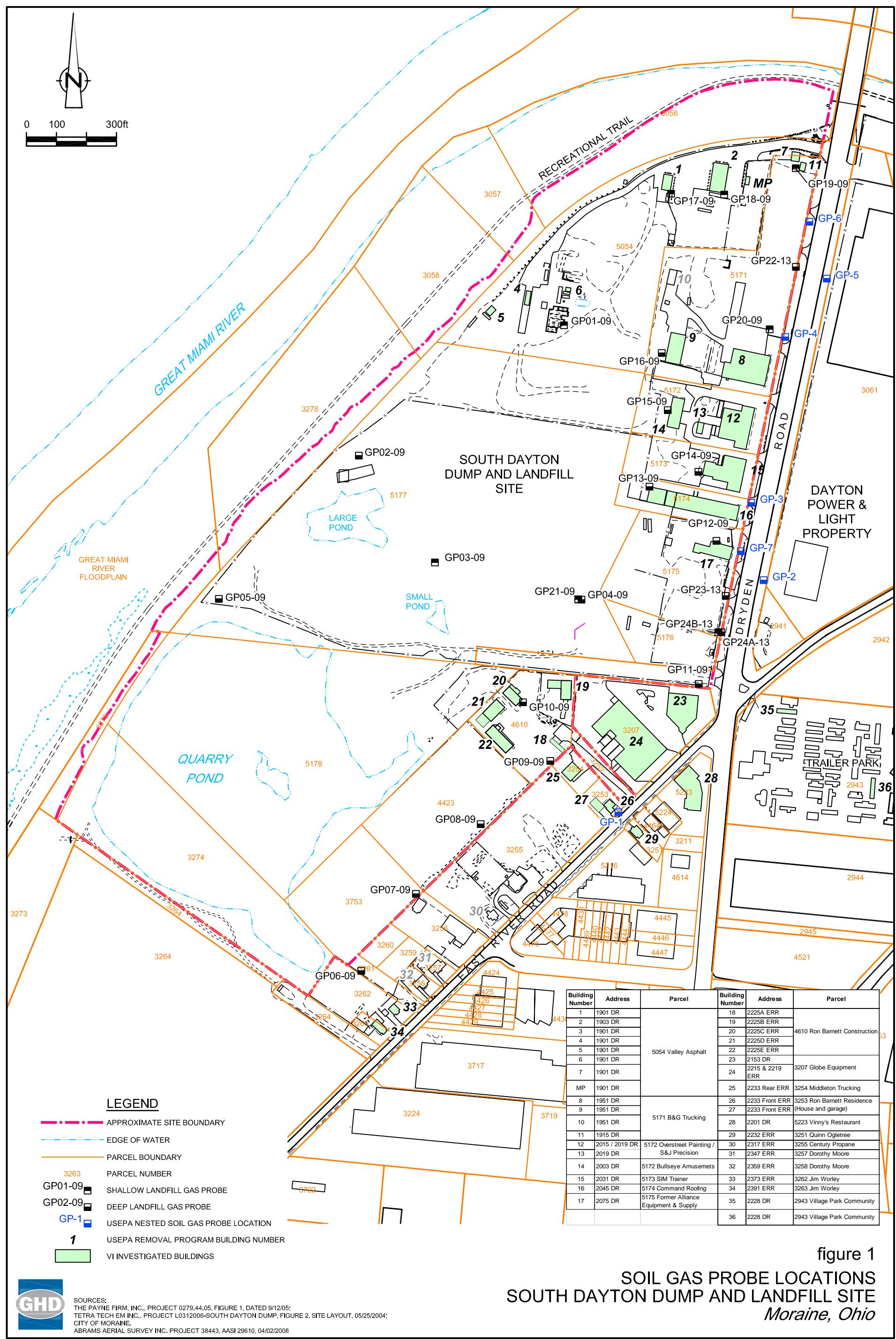


Table 1

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	11/9/2012	13:54	--	4.1	10.6	0.0	0	30s - 40s	none		
GP-2 (12') with filter		--	--	5.6	9.1	0.0	0				
GP-2 (16') without filter		--	--	2.0	11.6	0.0	0				
GP-2 (16') with filter		--	--	4.6	10.0	0.0	0				
GP-2 (12') without filter	11/15/2012	15:04	0.0	2.4	10.8	0.0	0	30s - 40s	none		
GP-2 (12') with filter		--	--	0.0	2.3	10.3	0.0				
GP-2 (16') without filter		15:09	0.0	1.0	11.8	0.0	0				
GP-2 (16') with filter		--	--	0.0	0.9	11.4	0.0				
GP-2 (12') without filter	11/20/2012	14:35	0.0	2.2	11.3	0.0	0	50s	Trace		
GP-2 (12') with filter		--	--	0.0	2.1	11.0	0.0				
GP-2 (16') without filter		14:40	0.0	0.9	12.1	0.0	0				
GP-2 (16') with filter		--	--	0.0	0.8	11.9	0.0				
GP-2 (12') without filter	11/29/2012	13:53	0.0	4.3	11.0	0.0	0	40s - 50s	none		
GP-2 (12') with filter		--	--	0.0	4.7	11.2	0.0				
GP-2 (16') without filter		13:58	0.0	2.1	12.1	0.0	0				
GP-2 (16') with filter		13:58	0.0	2.0	11.9	0.0	0				
GP-2 (12') without filter	12/4/2012	16:03	0.0	6.6	9.6	0.0	0	50s	rainy (~0.3 inches)		
GP-2 (12') with filter		--	--	0.0	6.7	8.5	0.0				
GP-2 (16') without filter		16:08	--	6.1	10.3	0.0	0				
GP-2 (16') with filter		--	--	6.4	9.2	0.0	0				
GP-2 (12') without filter	12/13/2012	13:44	0.0	6.6	9.7	0.0	0	40s	none		
GP-2 (12') with filter		--	--	0.0	6.9	9.3	0.1 U				
GP-2 (16') without filter		13:39	0.0	3.7	11.8	0.0	0				
GP-2 (16') with filter		--	--	0.0	4.1	10.2	0.1 U				
GP-2 (12') without filter	12/18/2012	13:30	0.0	8.2	9.2	0.0	0	40s	none		
GP-2 (12') with filter		--	--	0.0	8.1	8.9	0.0				
GP-2 (16') without filter		--	--	0.0	5.8	10.8	0.0				
GP-2 (16') with filter		--	--	0.0	5.7	10.4	0.0				
GP-2 (12') without filter	1/24/2013	15:34	0.0	19.9	2.6	0.0	0.0	20s	none		
GP-2 (12') with filter		15:34	0.0	18.6	2.2	0.0	0.0				
GP-2 (16') without filter		15:40	0.0	15.3	7.7	0.0	0.0				
GP-2 (16') with filter		15:40	0.0	16.9	1.6	0.0	0.0				
GP-2 (12') without filter	1/31/2013	13:50	0.0	17.5	5.0	0.0	0.0	10s - 20s	none		
GP-2 (12') with filter		13:50	0.0	17.1	4.2	0.0	0.0				
GP-2 (16') without filter		13:55	0.0	16.8	5.0	0.0	0.0				
GP-2 (16') with filter		13:55	0.0	17.2	3.4	0.0	0.0				
GP-2 (12') without filter	2/7/2013	15:14	0.0	15.4	5.4	0.0	0.0	20s - 50s	none		
GP-2 (12') with filter		15:14	0.0	16.0	3.5	0.0	0.0				
GP-2 (16') without filter		15:17	0.0	15.0	6.4	0.0	0.0				
GP-2 (16') with filter		15:17	0.0	15.3	4.5	0.0	0.0				
GP-2 (12') without filter	2/12/2013	12:30	0.1	9.2	8.8	0.0	0.0	30s - 40s	none		
GP-2 (12') with filter		12:30	0.1	9.7	8.4	0.0	0.0				
GP-2 (16') without filter		12:45	0.0	7.5	9.1	0.0	0.0				
GP-2 (16') with filter		12:45	0.0	6.9	8.2	0.0	0.0				

Table 1

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	2/21/2013	13:45	0.0	8.8	8.5	0.0	0.0	20s	Trace		
GP-2 (12') with filter		13:45	0.0	9.1	8.0	0.0	0.0				
GP-2 (16') without filter		13:50	0.0	6.9	7.0	0.0	0.0				
GP-2 (16') with filter		13:50	0.0	7.0	6.7	0.0	0.0				
GP-2 (12') without filter	2/28/2013	12:45	0.0	15.8	4.9	0.0	0.0	30s - 40s	~1 inch		
GP-2 (12') with filter		12:45	0.0	15.8	5.1	0.0	0.0				
GP-2 (16') without filter		12:49	0.0	13.6	6.2	0.0	0.0				
GP-2 (16') with filter		12:49	0.0	13.5	6.2	0.0	0.0				
GP-2	3/7/2013	Inaccessible due to snow cover from road plow activity						30s	None		
GP-2 (12') without filter	3/14/2013	13:45	0.0	16.2	4.3	0.0	0.0	20s - 40s	None		
GP-2 (12') with filter		13:45	0.0	16.1	4.4	0.0	0.0				
GP-2 (16') without filter		13:53	0.0	13.9	6.1	0.0	0.0				
GP-2 (16') with filter		13:53	0.0	13.9	6.2	0.0	0.0				
GP-2 (12') without filter	3/21/2013	12:20	0.0	15.9	3.8	0.0	0.0	20s - 30s	Trace		
GP-2 (12') with filter		12:20	0.0	15.9	3.9	0.0	0.0				
GP-2 (16') without filter		12:26	0.0	14.2	5.7	0.0	0.0				
GP-2 (16') with filter		12:26	0.0	14.1	5.9	0.0	0.0				
GP-2 (12') without filter	3/28/2013	12:10	0.0	14.6	6.1	0.0	0.0	30s - 40s	None		
GP-2 (12') with filter		12:10	0.0	14.4	6.3	0.0	0.0				
GP-2 (16') without filter		12:15	0.0	12.9	7.4	0.0	0.0				
GP-2 (16') with filter		12:15	0.0	12.9	7.5	0.0	0.0				
GP-2 (12') without filter	4/4/2013	14:04	0.0	15.7	5.2	0.0	0.0	30s - 50s	None		
GP-2 (12') with filter		14:04	0.0	15.6	5.1	0.0	0.0				
GP-2 (16') without filter		14:11	0.0	13.8	6.0	0.0	0.0				
GP-2 (16') with filter		14:11	0.0	13.8	6.1	0.0	0.0				
GP-2 (12') without filter	4/9/2013	13:56	0.0	13.9	5.2	0.0	0.0	50s - 80s	None		
GP-2 (12') with filter		13:56	0.0	13.8	5.5	0.0	0.0				
GP-2 (16') without filter		14:03	0.0	12.2	5.9	0.0	0.0				
GP-2 (16') with filter		14:03	0.0	12.2	6.0	0.0	0.0				
GP-2 (12') without filter	4/18/2013	13:48	0.0	14.7	6.1	0.0	0.0	60s - 80s	None		
GP-2 (12') with filter		13:48	0.0	14.7	6.0	0.0	0.0				
GP-2 (16') without filter		13:54	0.0	13.2	7.4	0.0	0.0				
GP-2 (16') with filter		13:54	0.0	13.3	7.2	0.0	0.0				
GP-2 (12') without filter	4/23/2013	14:45	0.0	16.3	3.8	0.0	0.0	50s - 60s	None		
GP-2 (12') with filter		14:45	0.0	16.8	0.8	0.0	0.0				
GP-2 (16') without filter		14:48	0.0	15.9	4.2	0.0	0.0				
GP-2 (16') with filter		14:48	0.0	16.3	2.9	0.0	0.0				
GP-2 (12') without filter	4/30/2013	14:45	0.0	16.8	3.4	0.0	0.0	40s - 70s	None		
GP-2 (12') with filter		14:45	0.0	17.0	0.9	0.0	0.0				
GP-2 (16') without filter		14:50	0.0	16.3	3.9	0.0	0.0				
GP-2 (16') with filter		14:50	0.0	16.7	1.6	0.0	0.0				
GP-2 (12') without filter	5/9/2013	14:41	0.0	14.8	3.3	0.0	0.0	50s - 70s	None		
GP-2 (12') with filter		14:41	0.0	14.9	0.9	0.0	0.0				
GP-2 (16') without filter		14:45	0.0	14.1	3.8	0.0	0.0				
GP-2 (16') with filter		14:45	0.0	14.5	1.5	0.0	0.0				

Table 1

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	5/16/2013	13:25	0.0	15.3	4.1	0.0	0.0	40s - 80s	~1 inch		
GP-2 (12') with filter		13:25	0.0	15.3	4.0	0.0	0.0				
GP-2 (16') without filter		13:32	0.0	13.9	4.8	0.0	0.0				
GP-2 (16') with filter		13:32	0.0	13.9	4.8	0.0	0.0				
GP-2 (12') without filter	5/21/2013	15:29	0.0	13.7	3.8	0.0	0.0	40s - 80s	~0.2 inch		
GP-2 (12') with filter		15:29	0.0	13.8	3.2	0.0	0.0				
GP-2 (16') without filter		15:32	0.0	12.7	4.5	0.0	0.0				
GP-2 (16') with filter		15:32	0.0	12.8	3.0	0.0	0.0				
GP-2 (12') without filter	5/30/2013	13:20	0.0	15.8	3.8	0.0	0.0	50s - 80s	~1.3 inch		
GP-2 (12') with filter		13:20	0.0	15.8	3.9	0.0	0.0				
GP-2 (16') without filter		13:25	0.0	13.1	5.1	0.0	0.0				
GP-2 (16') with filter		13:25	0.0	13.0	5.3	0.0	0.0				
GP-2 (12') without filter	6/6/2013	14:50	0.0	16.3	4.6	0.0	0.0	60s	0.25 inch		
GP-2 (12') with filter		14:50	0.0	16.2	4.9	0.0	0.0				
GP-2 (16') without filter		15:00	0.0	14.7	6.0	0.0	0.0				
GP-2 (16') with filter		15:00	0.0	14.7	6.2	0.0	0.0				
GP-2 (12') without filter	6/13/2013	16:05	0.0	8.2	5.4	0.0	0.0	60s - 80s	1.55 inch		
GP-2 (12') with filter		16:05	0.0	7.5	5.4	0.0	0.0				
GP-2 (16') without filter		16:10	--	5.2	6.6	0.0	0.0				
GP-2 (16') with filter		16:10	--	5.1	6.4	0.0	0.0				
GP-2 (12') without filter	6/20/2013	--	0.0	8.0	6.1	0.0	0.0	50s - 80s	None		
GP-2 (12') with filter		--	0.0	8.3	5.9	0.0	0.0				
GP-2 (16') without filter		--	--	5.3	6.5	0.0	0.0				
GP-2 (16') with filter		--	--	5.6	6.0	0.0	0.0				
GP-2 (12') without filter	6/27/2013	14:06	0.6	15.9	1.5	0.0	0.0	70s - 80s	Trace		
GP-2 (12') with filter		14:06	0.6	16.3	0.2	0.0	0.0				
GP-2 (16') without filter		14:11	43.6	3.7	2.6	1.6	30				
GP-2 (16') with filter		14:11	43.6	2.1	3.6	1.0	20				
GP-2 (12') without filter	7/3/2013	13:18	23.5	6.9	4.9	1.4	28	60s - 80s	Trace		
GP-2 (12') with filter		13:18	23.5	7.5	3.4	0.7	13				
GP-2 (16') without filter		13:22	59.6	1.9	7.1	5.8	>100				
GP-2 (16') with filter		13:22	59.6	1.6	6.9	1.8	36				
GP-2 (12') without filter	7/11/2013	14:45	40.4	4.0	6.5	6.5	>100	60s - 70s	None		
GP-2 (12') with filter		14:45	40.4	4.0	4.9	3.4	68				
GP-2 (16') without filter		14:51	55.6	4.6	6.2	11.2	>100				
GP-2 (16') with filter		14:51	55.6	3.9	5.0	2.2	44				
GP-2 (12') without filter	7/18/2013	14:35	20.4	17.7	1.2	0.5	10	70s - 90s	None		
GP-2 (12') with filter		14:35	20.4	17.7	1.0	0.2	5				
GP-2 (16') without filter		14:41	44.3	1.9	7.4	5.1	>100				
GP-2 (16') with filter		14:41	44.3	4.7	1.8	1.8	36				
GP-2 (12') without filter	7/25/2013	14:15	38.7	4.8	6.5	3.8	75	50s - 70s	None		
GP-2 (12') with filter		14:15	38.7	4.7	6.1	3.0	60				
GP-2 (16') without filter		14:20	48.3	4.4	7.9	4.0	80				
GP-2 (16') with filter		14:20	48.3	4.2	8.3	3.3	65				
GP-2 (12') without filter	8/1/2013	14:00	83.5	8.1	5.3	1.4	28	60s - 80s	None		
GP-2 (12') with filter		14:00	83.5	6.2	4.9	1.1	21				
GP-2 (16') without filter		14:05	89.8	4.1	7.3	2.8	55				
GP-2 (16') with filter		14:05	89.8	3.1	7.2	1.8	35				

Table 1

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	8/6/2013	14:06	10.5	3.9	7.6	1.3	27	60s - 80s	None		
GP-2 (12') with filter		14:06	10.5	3.7	5.9	1.0	21				
GP-2 (16') without filter		14:10	31.6	4.3	7.4	2.5	51				
GP-2 (16') with filter		14:10	31.6	3.1	6.1	1.7	34				
GP-2 (12') without filter	8/15/2013	13:35	16.6	7.9	3.1	2.0	40	40s - 70s	None		
GP-2 (12') with filter		13:35	16.6	7.7	3.3	1.6	32				
GP-2 (16') without filter		13:40	20.6	1.5	6.2	2.2	44				
GP-2 (16') with filter		13:40	20.6	1.4	7.5	2.0	40				
GP-2 (12') without filter	8/22/2013	14:41	33.9	3.2	8.0	2.3	47	60s - 80s	Trace (0.06 in.)		
GP-2 (12') with filter		14:41	33.9	3.2	8.4	2.0	41				
GP-2 (16') without filter		14:45	55.0	1.8	8.5	4.3	87				
GP-2 (16') with filter		14:45	55.0	1.6	8.3	2.0	41				
GP-2 (12') without filter	8/27/2013	14:21	22.8	2.5	8.4	3.7	74	70s - 80s	None		
GP-2 (12') with filter		14:21	22.8	2.6	8.9	1.9	39				
GP-2 (16') without filter		14:26	39.5	2.3	8.7	7.9	>100				
GP-2 (16') with filter		14:26	39.5	2.2	9.0	6.1	>100				
GP-2 (12') without filter	9/5/2013	-	31.3	2.2	8.7	7.0	>100	50s - 80s	None		
GP-2 (12') with filter		-	31.3	2.3	6.9	3.0	58				
GP-2 (16') without filter		-	39.0	3.1	8.3	8.4	>100				
GP-2 (16') with filter		-	39.0	3.7	6.5	2.8	56				
GP-2	9/12/2013							60s - 80s	0.29 inches		
GP-2 (12') without filter	9/20/2013		24.7	2.6	8.7	3.2	65	60s - 80s	0.6 inches	1009 - 1013	
GP-2 (12') with filter			24.7	2.1	8.1	1.8	34				
GP-2 (16') without filter			40.4	1.4	9.6	7.0	>100				
GP-2 (16') with filter			40.4	1.5	8.9	2.1	42				
GP-2 (12') without filter	9/24/2013	14:27	55.7	1.8	9.6	3.6	71	40s - 70s	None	1016 - 1018	
GP-2 (12') with filter		14:27	55.7	1.9	9.2	3.3	67				
GP-2 (16') without filter		14:33	68.4	1.5	10.0	4.3	86				
GP-2 (16') with filter		14:33	68.4	1.6	10.6	3.9	78				
GP-2 (12') without filter	10/3/2013	13:27	0.9	6.8	7.2	1.3	25	60s - 70s	0.27 inches	1015 - 1022	
GP-2 (12') with filter		13:27	0.9	6.9	5.8	1.1	17				
GP-2 (16') without filter		13:35	53.6	3.6	8.9	2.2	44				
GP-2 (16') with filter		13:35	53.6	3.3	7.5	1.4	27				
GP-2 (12') without filter	10/10/2013	13:41	18.6	0.7	10.3	1.9	38	40s - 70s	None	1020 - 1022	
GP-2 (12') with filter		13:41	18.6	0.5	10.2	1.3	27				
GP-2 (16') without filter		13:47	22.6	0.9	10.3	1.9	39				
GP-2 (16') with filter		13:47	22.6	1.7	9.0	1.2	25				
GP-2 (12') without filter	10/17/2013	14:46	22.8	1.2	10.5	1.4	28	40s - 50s	0.1 inches	1011 - 1014	MW-7: 18.56 MW-8: 18.70 MW-11: 20.31 MW-12: 20.39
GP-2 (12') with filter		14:46	22.8	7.5	6.8	0.8	16				
GP-2 (16') without filter		14:50	23.1	1.3	10.6	1.5	29				
GP-2 (16') with filter		14:50	23.1	1.5	10.1	1.2	23				
GP-2 (12') without filter	10/24/2013	13:42	0.0	1.5	10.9	0.0	0	30s - 40s	Trace (0.02 inches)	1015 - 1025	MW-7: 18.69 MW-8: 18.83 MW-11: 20.66 MW-12: 20.44
GP-2 (12') with filter		13:42	0.0	1.6	10.2	0.0	0				
GP-2 (16') without filter		13:47	5.6	4.6	9.6	0.0	0				
GP-2 (16') with filter		13:47	5.6	4.9	8.6	0.0	0				
GP-2 (12') without filter	10/31/2013	15:07	0.0	6.3	8.2	0.0	0	60s	1.25 inches	1000 - 1010	MW-7: 18.71 MW-8: 18.87 MW-11: 20.69 MW-12: 20.47
GP-2 (12') with filter		15:07	0.0	6.4	7.3	0.0	0				
GP-2 (16') without filter		15:13	1.1	6.4	8.3	0.0	0				
GP-2 (16') with filter		15:13	1.1	6.7	7.5	0.0	0				

Table 1

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	11/7/2013	13:45	0.0	4.6	9.5	0.0	0	40s	Trace (0.04 inches)	1020 - 1025	MW-7: 18.43
GP-2 (12') with filter		13:45	0.0	4.1	7.9	0.0	0				MW-8: 18.57
GP-2 (16') without filter		13:51	0.0	2.6	10.7	0.0	0				MW-11: 20.28
GP-2 (16') with filter		13:51	0.0	2.6	10.2	0.0	0				MW-12: 20.13
GP-2 (12') without filter	11/12/2013	13:32	0.0	5.8	9.5	0.0	0	20s - 30s	Trace (0.05 inches)	1030 - 1036	MW-7: 18.28
GP-2 (12') with filter		13:32	0.0	6.2	8.6	0.0	0				MW-8: 18.37
GP-2 (16') without filter		13:38	0.0	5.4	9.6	0.0	0				MW-11: 20.02
GP-2 (16') with filter		13:38	0.0	5.3	8.6	0.0	0				MW-12: 19.86
GP-2 (12') without filter	11/20/2013	14:10	0.0	4.5	10.1	0.0	0	20s - 40s	None	1023 - 1026	MW-7: 18.27
GP-2 (12') with filter		14:10	0.0	5.0	8.3	0.0	0				MW-8: 18.40
GP-2 (16') without filter		14:15	0.0	3.5	10.4	0.0	0				MW-11: 20.24
GP-2 (16') with filter		14:15	0.0	4.0	9.8	0.0	0				MW-12: 20.02
GP-2 (12') without filter	11/26/2013	14:35	0.0	3.4	10.4	0.1	1	30s	Trace (0.01 inches)	1013 - 1019	MW-7: 18.10
GP-2 (12') with filter		14:35	0.0	3.4	9.5	0.0	0				MW-8: 18.25
GP-2 (16') without filter		14:39	0.0	3.3	10.7	0.1	1				MW-11: 20.07
GP-2 (16') with filter		14:39	0.0	3.3	10.6	0.1	1				MW-12: 19.85
GP-2 (12') without filter	12/5/2013	14:44	0.0	6.5	9.7	0.0	0	30s - 40s	0.07 inches	1013 - 1016	MW-7: 18:38
GP-2 (12') with filter		14:44	0.0	6.6	8.7	0.0	0				MW-8: 18.52
GP-2 (16') without filter		14:49	0.0	7.3	9.1	0.0	0				MW-11: 20.35
GP-2 (16') with filter		14:49	0.0	7.4	8.3	0.0	0				MW-12: 20.13
GP-2 (12') without filter	12/12/2013	15:45	0.0	9.9	8.5	0.0	0	15 - 20	None	1030 - 1036	MW-7: 18.45
GP-2 (12') with filter		15:45	0.0	9.7	8.3	0.0	0				MW-8: 18.60
GP-2 (16') without filter		15:49	0.0	7.3	10.4	0.0	0				MW-11: 20.42
GP-2 (16') with filter		15:49	0.0	6.9	9.8	0.0	0				MW-12: 20.20
GP-2 (12') without filter	12/19/2013	14:48	0.0	10.8	7.8	0.0	0	30s - 40s	None	1016 - 1018	MW-7: 18.39
GP-2 (12') with filter		14:48	0.0	11.0	6.8	0.0	0				MW-8: 18.54
GP-2 (16') without filter		14:51	0.0	9.0	8.9	0.0	0				MW-11: 20.37
GP-2 (16') with filter		14:51	0.0	9.6	7.9	0.0	0				MW-12: 20.21
GP-2 (12') without filter	12/23/2013	11:20	0.0	8.1	7.9	0.0	0	20s - 30s	Trace (0.02 inches)	1026 - 1029	MW-7: 15.63
GP-2 (12') with filter		11:20	0.0	8.1	6.9	0.0	0				MW-8: 15.72
GP-2 (16') without filter		11:27	0.0	5.8	10.4	0.0	0				MW-11: 17.45
GP-2 (16') with filter		11:27	0.0	7.6	8.7	0.0	0				MW-12: 17.32
GP-2 (12') without filter	1/2/2014	16:20	0.0	21.5	0.1	0.0	0	20s - 30s	5.46 inches	1012 - 1026	MW-7: 15.24
GP-2 (12') with filter		16:20	0.0	18.2	0.3	0.0	0				MW-8: 15.39
GP-2 (16') without filter		16:24	0.0	21.4	0.3	0.0	0				MW-11: 17.21
GP-2 (16') with filter		16:24	0.0	21.5	0.3	0.0	0				MW-12: 16.98
GP-2 (12') without filter	1/9/2014	14:40	0.0	13.8	6.6	0.0	0	20s - 30s	1.55 inches	1026 - 1035	MW-7: 15.17
GP-2 (12') with filter		14:40	0.0	14.0	6.0	0.0	0				MW-8: 15.28
GP-2 (16') without filter		14:45	0.0	12.0	8.2	0.0	0				MW-11: 17.11
GP-2 (16') with filter		14:45	0.0	13.1	6.7	0.0	0				MW-12: 16.98
GP-2 (12') without filter	1/16/2014	13:00	0.0	13.8	6.1	0.0	0	20s - 30s	0.97 inches	1008 - 1019	MW-7: 15.93
GP-2 (12') with filter		13:00	0.0	13.9	3.8	0.0	0				MW-8: 16.06
GP-2 (16') without filter		13:07	0.0	12.9	7.2	0.0	0				MW-11: 17.90
GP-2 (16') with filter		13:07	0.0	13.2	4.1	0.0	0				MW-12: 17.71
GP-2 (12') without filter	1/23/2014	13:00	0.0	16.8	5.1	0.0	0	5 - 15	Trace	1019 - 1038	MW-7: 15.62
GP-2 (12') with filter		13:00	0.0	16.5	4.7	0.0	0				MW-8: 15.83
GP-2 (16') without filter		13:07	0.0	15.4	6.0	0.0	0				MW-11: 17.59
GP-2 (16') with filter		13:07	0.0	15.3	4.9	0.0	0				MW-12: 17.46

Table 1

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	1/28/2014	14:25	0.0	17.3	4.6	0.0	0	5	None	1030 - 1033	MW-7: 17.27 MW-8: 17.41 MW-11 & MW-12: iced over
GP-2 (12') with filter		14:25	0.0	17.3	4.1	0.0	0				
GP-2 (16') without filter		14:30	0.0	15.2	6.5	0.0	0				
GP-2 (16') with filter		14:30	0.0	15.2	5.8	0.0	0				
GP-2 (12')	2/6/2014	Inaccessible due to snow coverage from road plows						15 - 25	0.3 inches	1029 - 1032	Inaccessible
GP-2 (12') without filter	2/13/2014	15:16	0.0	17.5	4.5	0.0	0	25 - 35	None	1003 - 1018	MW-7: 17.62 MW-8: 17.77 MW-11 & MW-12: iced over
GP-2 (12') with filter		15:16	0.0	17.7	3.8	0.0	0				
GP-2 (16') without filter		15:20	0.0	19.3	2.2	0.0	0				
GP-2 (16') with filter		15:20	0.0	19.5	0.6	0.0	0				
GP-2 (12') without filter	2/20/2014	14:12	0.0	16.8	4.3	0.0	0	35 - 40	None	1010 - 1014	MW-7: 17.53 MW-8: 17.66 MW-11: 19:50 MW-12: 19.27
GP-2 (12') with filter		14:12	0.0	16.8	4.0	0.0	0				
GP-2 (16') without filter		14:14	0.0	15.8	5.4	0.0	0				
GP-2 (16') with filter		14:14	0.0	15.9	4.5	0.0	0				
GP-2 (12') without filter	2/27/2014	13:10	0.1	19.3	2.3	0.0	0	15 - 25	Trace	1008 - 1024	MW-7: 15.64 MW-8: 15.78 MW-11: 17.59 MW-12: 17.41
GP-2 (12') with filter		13:10	0.1	19.4	1.7	0.0	0				
GP-2 (16') without filter		13:17	0.0	17.2	4.8	0.1	0				
GP-2 (16') with filter		13:17	0.0	17.4	4.1	0.0	0				
GP-2 (12') without filter	3/6/2014	14:21	0.0	17.8	4.3	0.0	0	35 - 45	None	1020 - 1029	MW-7: na MW-8: na MW-11: na MW-12: na
GP-2 (12') with filter		14:21	0.0	17.7	4.1	0.0	0				
GP-2 (16') without filter		0.0	16.8	5.2	0.0	0	0				
GP-2 (16') with filter		0.0	16.7	5.1	0.0	0	0				
GP-2 (12') without filter	4/2/2014	11:57	0.0	18.1	3.5	0.0	0	50s	Trace (0.15 inches)	1020	MW-7: 14.12 MW-8: 14.32 MW-11: 16.06 MW-12: 15.91
GP-2 (12') with filter		11:57	0.0	18.0	3.7	0.0	0				
GP-2 (16') without filter		0.0	17.3	4.4	0.0	0	0				
GP-2 (16') with filter		0.0	17.3	4.5	0.0	0	0				
GP-2 (12') without filter	5/8/2014 ^[3]	15:18	0.2	16.3	3.0	0.0	0	75-85	None	1013-1017	MW-7: 16.84 MW-8: 16.70 MW-11: 18.68 MW-12: 18.46
GP-2 (12') with filter		15:18	0.2	16.4	2.5	0.0	0				
GP-2 (16') without filter		15:22	0.5	20.3	0.0	0.0	0				
GP-2 (16') with filter		15:22	0.5	20.0	1.6	0.0	0				
GP-2 (12') without filter	6/3/2014	15:40	0.0	12.6	4.1	0.0	0	75-85	Trace	1011-1014	MW-7: na MW-8: na MW-11: na MW-12: na
GP-2 (12') with filter		15:40	0.0	12.6	3.7	0.0	0				
GP-2 (16') without filter		15:45	0.1	11.6	4.4	0.0	0				
GP-2 (16') with filter		15:45	0.1	11.7	4.4	0.0	0				
GP-2 (12') without filter	7/17/2014	15:17	0.0	2.2	6.7	0.0	0	70-75	None	1016-1020	MW-7: 17.37 MW-8: 17.51 MW-11: 19.36 MW-12: 19.13
GP-2 (12') with filter		15:17	0.0	2.1	6.4	0.0	0				
GP-2 (16') without filter		15:23	15.0	1.7	6.7	1.7	35				
GP-2 (16') with filter		15:23	15.0	1.7	6.2	1.1	23				
GP-2 (12') without filter	8/14/2014	14:40	13.3	2.2	7.4	1.6	33	70-80	None	1014-1017	MW-7: 18.33 MW-8: 18.19 MW-11: 20.17 MW-12: 19.94
GP-2 (12') with filter		14:40	13.3	2.3	6.4	1.4	29				
GP-2 (16') without filter		14:46	45.8	1.3	8.2	5.8	>100				
GP-2 (16') with filter		14:46	45.8	1.3	7.6	2.4	49				
GP-2 (12') without filter	8/21/2014	15:51	25.6	0.9	8.5	2.7	55	75-79	1.14 Inches	1014-1018	MW-7: na MW-8: na MW-11: na MW-12: na
GP-2 (12') with filter		15:51	25.6	0.9	8.2	1.8	36				
GP-2 (16') without filter		14:45	7.2	0.8	9.2	6.0	>100				
GP-2 (16') with filter		14:45	7.2	0.8	8.2	2.4	48				
GP-2 (12') without filter	8/28/2014	11:40	35.4	0.7	9.2	4.5	90	75--80	None	1016-1019	MW-7: 18.11 MW-8: 18.25 MW-11: 20.10 MW-12: 19.87
GP-2 (12') with filter		11:40	35.4	0.7	7.4	2.4	48				
GP-2 (16') without filter		11:43	40.0	1.7	9.5	5.9	>100				
GP-2 (16') with filter		11:43	40.0	1.6	8.3	2.2	45				

Table 1

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	9/4/2014	14:40	26.5	3.8	7.6	2.3	46	85-90	None	1016-1019	MW-7: na
GP-2 (12') with filter		14:40	26.5	3.9	7.9	2.1	41				MW-8: na
GP-2 (16') without filter		14:45	38.2	6.1	7.1	3.3	66				MW-11: na
GP-2 (16') with filter		14:45	38.2	6.1	7.3	3.0	60				MW-12: na
GP-2 (12') without filter	10/9/2014	13:34	0.0	4.8	9.0	0.0	0	50s	0.3 Inches	1017-1021	MW-7: na
GP-2 (12') with filter		13:34	0.0	5.2	9.3	0.0	0				MW-8: na
GP-2 (16') without filter		13:40	0.0	3.5	10.4	0.0	0				MW-11: na
GP-2 (16') with filter		13:40	0.0	3.6	10.2	0.0	0				MW-12: na
GP-2 (12') without filter	11/26/2014	13:43	0.0	14.6	4.1	0.0	0	30-35	None	1018-1023	MW-7: na
GP-2 (12') with filter		13:43	0.0	15.0	1.6	0.0	0				MW-8: na
GP-2 (16') without filter		13:46	0.0	13.6	4.6	0.0	0				MW-11: na
GP-2 (16') with filter		13:46	0.0	13.4	2.3	0.0	0				MW-12: na
GP-2 (12') without filter	2/6/2015	16:00	0.0	20.6	0.0	0.0	0	25-35	None	1022 - 1030	MW-7: 17.85
GP-2 (12') with filter		16:00	0.0	20.7	0.0	0.0	0				MW-8: 17.98
GP-2 (16') without filter		16:04	0.0	14.7	5.9	0.0	0				MW-11: 19.81
GP-2 (16') with filter		16:04	0.0	14.8	5.2	0.0	0				MW-12: 19.59
GP-2 (12') without filter	5/20/2015	16:09	0.0	9.5	4.2	0.0	0	50-60	None	1016 - 1022	MW-7: 17.45
GP-2 (12') with filter		16:09	0.0	9.8	3.4	0.0	0				MW-8: 17.60
GP-2 (16') without filter		16:11	0.0	7.1	5.2	0.0	0				MW-11: 19.43
GP-2 (16') with filter		16:11	0.0	7.0	4.9	0.0	0				MW-12: 19.21
GP-2 (12') without filter	8/20/2015	14:00	0.0	4.4	9.0	0.0	0	65-70	Trace	1009 - 1017	MW-7: 17.75
GP-2 (12') with filter		14:00	0.0	4.4	8.4	0.0	0				MW-8: 17.56
GP-2 (16') without filter		14:04	1.2	2.3	9.8	0.1	3				MW-11: 19.54
GP-2 (16') with filter		14:04	1.2	2.5	9.6	0.1	2				MW-12: 19.30
GP-2 (12') without filter	11/5/2015	14:22	0.0	2.2	9.7	0.0	0	60-70	Trace	1019 - 1021	MW-7: 18.60
GP-2 (12') with filter		14:22	0.0	2.3	7.5	0.0	0				MW-8: 18.46
GP-2 (16') without filter		14:25	0.0	1.2	10.5	0.0	0				MW-11: 20.43
GP-2 (16') with filter		14:25	0.0	1.2	8.7	0.0	0				MW-12: 20.20
GP-2 (12') without filter	1/28/2016	14:42	0.0	14.2	6.2	0.0	0	35-45	Trace	1005 - 1012	MW-7: 17.54
GP-2 (12') with filter		14:42	0.0	14.5	4.9	0.0	0				MW-8: 17.40
GP-2 (16') without filter		14:47	0.0	12.0	7.9	0.0	0				MW-11: 19.37
GP-2 (16') with filter		14:47	0.0	12.1	7.4	0.0	0				MW-12: 19.15
GP-2 (12') without filter	7/21/2016	14:26	74.9	1.5	7.5	13.5	>100	88-91	None	1019 - 1020	MW-7: 18.77
GP-2 (12') with filter		14:26	74.9	1.3	7.4	4.5	87				MW-8: 18.65
GP-2 (16') without filter		14:32	98.1	1.3	7.8	34.6	>100				MW-11: 20.61
GP-2 (16') with filter		14:32	98.1	1.4	7.5	5.0	>100				MW-12: 20.37
GP-2 (12') without filter	7/29/2016 ^[4]	11:06	68.4	0.5	7.5	13.7	>100	85-86	None	1010 - 1014	MW-7: 19.08
GP-2 (12') with filter		11:06	68.4	10.1	3.4	2.1	42				MW-8: 18.86
GP-2 (16') without filter		11:17	83.5	0.7	7.7	39.2	>100				MW-11: 20.58
GP-2 (16') with filter		11:17	83.5	9.8	3.7	2.6	52				MW-12: 20.68
GP-2 (12') without filter	8/5/2016	17:08	30.4	0.1	7.7	12.3	>100	87 - 91	None	1012 - 1014	MW-7: 19.20
GP-2 (12') with filter		17:08	30.4	0.1	7.6	4.5	91				MW-8: 19.05
GP-2 (16') without filter		17:12	63.0	0.2	7.9	37.8	>100				MW-11: 21.03
GP-2 (16') with filter		17:12	63.0	0.9	7.4	5.1	>100				MW-12: 20.78

Table 1

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter	8/13/2016	11:25	41.8	0.0	8.2	15.5	>100	79 - 84	Trace	1011 - 1015	MW-7: 19.24
GP-2 (12') with filter		11:25	41.8	0.9	7.6	4.5	90				MW-8: 19.38
GP-2 (16') without filter		11:32	73.0	0.0	8.6	44.1	>100				MW-11: 20.97
GP-2 (16') with filter		11:32	73.0	1.6	7.7	4.9	99				MW-12: 21.08
GP-2 (12') without filter	8/19/2016 ^[5]	11:04	8.1	0.0	8.9	16.7	>100	77 - 86	None	1014 - 1017	MW-7: 19.04
GP-2 (12') with filter		11:04	8.1	0.1	8.6	4.1	82				MW-8: 18.90
GP-2 (16') without filter		11:12	17.0	0.3	9.2	30.5	>100				MW-11: 20.87
GP-2 (16') with filter		11:12	17.0	0.4	9.0	4.2	84				MW-12: 20.64
GP-2 (12') without filter	8/23/2016	12:53	47.9	0.1	8.3	9.3	>100	75 - 80	None	1023 - 1026	MW-7: 18.99
GP-2 (12') with filter		12:53	47.9	0.1	8.3	3.4	68				MW-8: 19.12
GP-2 (16') without filter		12:59	68.3	0.0	8.7	15.5	>100				MW-11: 20.70
GP-2 (16') with filter		12:59	68.3	0.0	8.7	3.5	70				MW-12: 20.81
GP-2 (12') without filter	8/29/2016	13:08	60.7	0.4	8.8	6.4	>100	79-88	None	1022 - 1025	MW-7: 19.11
GP-2 (12') with filter		13:08	60.7	0.4	8.6	3.0	60				MW-8: 18.98
GP-2 (16') without filter		13:13	82.5	0.2	9.3	15.7	>100				MW-11: 20.71
GP-2 (16') with filter		13:13	82.5	0.3	9.0	3.3	65				MW-12: 20.85
GP-2 (12') without filter	9/7/2016		18.1	0.0	8.5	4.5	90	75 - 90	None	1019 - 1022	MW-7: 19.45
GP-2 (12') with filter			18.1	0.0	8.0	2.8	56				MW-8: 19.29
GP-2 (16') without filter			33.0	0.0	8.7	13.3	>100				MW-11: 21.74
GP-2 (16') with filter			33.0	0.0	8.5	3.6	73				MW-12: 21.03
GP-2 (12') without filter	9/14/2016		32.7	0.0	9.3	6.9	>100	75 - 85	Trace	1020 - 1024	MW-7: 19.37
GP-2 (12') with filter			32.7	0.0	9.4	3.2	65				MW-8: 19.22
GP-2 (16') without filter			53.1	0.0	9.6	20.1	>100				MW-11: 21.10
GP-2 (16') with filter			53.1	0.0	9.6	4.0	80				MW-12: 20.91
GP-2 (12') without filter	9/20/2016	14:10	25.5	0.0	8.8	7.4	>100	72 - 86	None	1019 - 1022	MW-7: 19.55
GP-2 (12') with filter		14:10	25.5	0.0	8.8	3.3	67				MW-8: 19.41
GP-2 (16') without filter		14:28	37.7	0.0	9.0	19.4	>100				MW-11: 21.24
GP-2 (16') with filter		14:28	37.7	0.0	8.8	4.0	80				MW-12: 21.15
GP-2 (12') without filter	9/28/2016	14:43	28.5	0.1	10.0	6.6	>100	50 - 60	1 inch	1009 - 1014	MW-7: 19.67
GP-2 (12') with filter		14:43	28.5	0.0	10.1	3.1	62				MW-8: 19.52
GP-2 (16') without filter		14:48	35.2	0.1	10.2	16.6	>100				MW-11: 21.51
GP-2 (16') with filter		14:48	35.2	0.1	10.2	3.7	74				MW-12: 21.26
GP-2 (12') without filter	10/7/2016	11:38	88.4	0.0	9.4	5.7	>100	55 - 79	None	1016 - 1020	MW-7: 19.56
GP-2 (12') with filter		11:38	88.4	0.0	9.3	2.8	56				MW-8: 19.40
GP-2 (16') without filter		11:43	89.5	0.0	9.7	11.9	>100				MW-11: 21.38
GP-2 (16') with filter		11:43	89.5	0.0	8.6	3.4	68				MW-12: 21.13
GP-2 (12') without filter	10/12/2016	15:44	27.9	0.0	9.4	4.7	94	50 - 77	Trace	1017 - 1023	MW-7: 19.69
GP-2 (12') with filter		15:44	27.9	0.0	9.2	2.7	54				MW-8: 19.55
GP-2 (16') without filter		15:40	44.2	0.0	9.7	10.2	>100				MW-11: 21.27
GP-2 (16') with filter		15:40	44.2	0.0	9.4	2.9	59				MW-12: 21.52
GP-2 (12') without filter	10/21/2016	12:55	25.4	0.0	10.4	6.0	>100	48 - 55	0.3 inches	1012 - 1018	MW-7: 19.71
GP-2 (12') with filter		12:55	25.4	0.2	10.1	2.8	56				MW-8: 19.54
GP-2 (16') without filter		12:55	27.2	0.4	10.5	12.5	>100				MW-11: 21.26
GP-2 (16') with filter		12:55	27.2	0.4	10.1	3.1	62				MW-12: na
GP-2 (12') without filter	10/28/2016	13:17	16.5	0.8	10.1	3.2	65	43 - 64	None	1020 - 1027	MW-7: 19.53
GP-2 (12') with filter		13:17	16.5	0.4	8.4	2.0	40				MW-8: 19.38
GP-2 (16') without filter			32.9	0.5	10.0	4.4	90				MW-11: 21.10
GP-2 (16') with filter			32.9	0.7	9.6	1.9	40				MW-12: 21.35

Table 1

GP-2 Field Monitoring Values
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location:	Date:	Time	PID (ppm)	O ₂ (%)	CO ₂ (%)	CH ₄ ^[2] (%)	LEL (%)	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)	Water Levels (ft BTOR)
GP-2 (12') without filter		13:30	0.2	0.2	11.3	0.0	0				MW-7: na
GP-2 (12') with filter		13:30	0.2	0.2	11.0	0.0	0				MW-8: na
GP-2 (16') without filter		13:35	9.6	0.4	10.8	0.7	14				MW-11: na
GP-2 (16') with filter		13:35	9.6	0.4	10.5	0.4	9				MW-12: na

Notes:

- [1] - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.
 - [2] - The Landtec GEM 2000 combustible gas monitor measures explosive gases as a percent of methane by volume. The presence of other hydrocarbon gases affects methane readings.
 - [3] -CO₂ readings started at 0.1 ppm.
 - [4] -GHD field personnel noted the presence of a manhole (and a possible underground utility) located ~ 3 feet from GP-2 that may be contributing to elevated methane levels
 - [5] Collected SUMMA canister samples at GP-2 (12')(16')
- PID - Photoionization Detector
 O₂ - Oxygen
 CO₂ - Carbon Dioxide
 CH₄ - Methane
 LEL - Lower Explosive Limit
 NM - Not measured
 U - Qualified as non-detect due to issues with the filter
Value - Value is greater than LEL for methane (5 percent methane)

Source of weather data from July to November 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_state=&req_stname=&reqdb.zip=&reqdb.magic=&reqdb.wmo=

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / Storage area ambient air, without filter	1/19/2012	11:50	0.9	22.1	0.1	0.0	ND(1) ¹		
5173 / 1 / C / Storage area, without filter		12:01	391	7.5	2.7	0.9	19		
5173 / 1 / Storage area ambient air, without filter	1/24/2012	10:00	0	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area, without filter		10:09	96.7	5.5	2.8	0.9	19		
5173 / 1 / Storage area ambient air, without filter	1/31/2012	10:50	1	21.6	0.0	0.0	0		
5173 / 1 / C / Storage area, without filter		11:14	182.7	5.5	3.1	1.1	25		
5173 / 1 / Storage area ambient air, without filter	2/7/2012	10:44	0.1	21.7	0.1	0.0	0		
5173 / 1 / C / Storage area, without filter		10:56	142.3	10.9	1.8	0.9	21		
5173 / 1 / Storage area ambient air, without filter	2/16/2012	10:40	0.1	20.5	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		11:04	79.4	14.1	3.1	0.5	10		
5173 / 1 / C / Storage area without filter		11:04	79.4	18.1	0.3	0.2	3		
5173 / 1 / Storage area ambient air, without filter	3/1/2012	11:36	0.1	21.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:46	196.5	13.8	0.2	0.3	7		
5173 / 1 / C / Storage area without filter		12:48	196.5	16.9	1.5	0.4	9		
5173 / 1 / Storage area ambient air		9:32	0	20.1	0.8	0.0	0		
5173 / 1 / C / Storage area with filter		10:20	101.2	1.0	3.3	0.8	18		
5173 / 1 / C / Storage area without filter			101.2	0.4	4.7	1.4	27		
5173 / 1 / A ambient air without filter	3/13/2012	9:57	0	21.0	0.1	0.0	0		
5173 / 1 / A with filter		10:15	0	16.9	3.0	0.0	0		
5173 / 1 / B ambient air without filter		9:30	0	21.4	0.0	0.0	0		
5173 / 1 / B with filter		9:48	0.2	9.1	7.9	0.0	0		
5173 / 1 / Storage area ambient air, without filter	3/22/2012	11:50	0	20.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:44	105.8	3.2	1.2	0.7	11		
5173 / 1 / C / Storage area without filter		12:47	105.8	3.0	5.1	1.1	24		
5173 / 1 / Storage area ambient air, without filter	3/27/2012		0.1	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter			17.1	3.9	1.9	0.9	17		
5173 / 1 / C / Storage area without filter		10:56	17.1	5.9	5.4	1.2	26		
5173 / 1 / Storage area ambient air, without filter	4/3/2012	12:30	0	21.0	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:09	136.8	1.9	0.4	0.8	19		
5173 / 1 / C / Storage area without filter		13:10	136.8	1.7	5.1	1.4	29		
5173 / 1 / Storage area ambient air, without filter	4/10/2012	11:05	0	21.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:52	206.1	3.0	0.5	0.8	19		
5173 / 1 / C / Storage area without filter		11:53	206.1	3.1	1.2	0.9	27		
5173 / 1 / Storage area ambient air, without filter	4/17/2012	10:15	0	21.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:32	129.8	2.3	2.2	0.9	19		
5173 / 1 / C / Storage area without filter		10:37	129.8	1.5	5.5	1.4	28		
5173 / 1 / Storage area ambient air, without filter	4/26/2012	11:13	0	21.0	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:27	120.7	2.2	1.7	0.9	10		
5173 / 1 / C / Storage area without filter		11:31	120.7	14.9	1.6	0.5	12		
5173 / 1 / Storage area ambient air, without filter	5/3/2012	11:33	0	20.2	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		11:45	122.1	15.2	0.8	0.3	5		
5173 / 1 / C / Storage area without filter		11:48	122.1	9.5	3.4	0.7	14		
5173 / 1 / Storage area ambient air, without filter	5/10/2012	13:58	0	20.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:10	167.9	10.7	0.9	0.6	14		
5173 / 1 / C / Storage area without filter		14:11	167.9	7.8	3.8	0.9	18		
5173 / 1 / Storage area ambient air, without filter	5/15/2012		0	20.1	0.0	0.0	0		
5173 / 1 / C / Storage area with filter			80.4	10.7	0.2	0.5	10		
5173 / 1 / C / Storage area without filter			80.4	20.8	0.3	0.1	2		
5173 / 1 / Storage area ambient air, without filter	5/24/2012	13:15	0.0	20.8	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:39	107.1	1.2	6.2	0.9	18		
5173 / 1 / C / Storage area without filter		13:47	107.1	2.2	6.4	1.3	26		
5173 / 1 / Storage area ambient air, without filter	5/31/2012	11:04	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:14	116.6	8.7	1.5	0.3	7		
5173 / 1 / C / Storage area without filter		11:20	116.6	16.8	2.0	0.7	27		
5173 / 1 / Storage area ambient air, without filter	6/7/2012	10:24	0.0	20.9	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:33	102.2	0.9	6.2	1.1	22		
5173 / 1 / C / Storage area without filter		10:44	102.2	1.8	7.0	1.4	28		
5173 / 1 / Storage area ambient air, without filter	6/14/2012	10:55	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		11:07	72.0	5.5	3.5	0.7	20		
5173 / 1 / C / Storage area without filter		11:13	72.0	3.8	4.3	1.0	21		
5173 / 1 / Storage area ambient air, without filter	6/19/2012	10:33	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:55	78.0	1.8	2.3	1.3	26		
5173 / 1 / C / Storage area without filter		10:57	78.0	1.3	7.3	2.2	43		
5173 / 1 / Storage area ambient air, without filter	6/28/2012	10:01	0.0	20.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:11	65.7	5.8	3.2	0.7	21		
5173 / 1 / C / Storage area without filter		10:11	65.7	3.7	4.7	1.1	27		
5173 / 1 / Storage area ambient air, without filter	7/3/2012	10:15	0.0	19.7	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		10:56	68.0	1.9	7.6	1.7	36		
5173 / 1 / C / Storage area without filter		10:58	68.0	1.9	6.4	1.3	25		

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1	7/11/2012								
5173 / 1 / Storage area ambient air, without filter		13:15	0.1	20.4	0.0	0.0			
5173 / 1 / C / Storage area with filter	7/19/2012	13:40	65.9	1.7	6.5	1.8	38		
5173 / 1 / C / Storage area without filter		13:40	65.9	1.6	7.9	2.6	51		
5173 / 1 / Storage area ambient air, without filter		9:45	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	7/26/2012	9:54	0.0	2.4	6.2	1.9	43		
5173 / 1 / C / Storage area without filter		9:54	0.0	1.0	7.7	3.2	63		
5173 / 1 / Storage area ambient air, with filter		9:40	0.0	20.6	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter	8/2/2012	9:40	0.0	20.7	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		9:52	79.6	9.2	0.1	1.1	17		
5173 / 1 / C / Storage area without filter		9:52	79.6	6.9	5.3	1.8	38		
5173 / 1 / Storage area ambient air, with filter		9:57	--	--	--	--	0		
5173 / 1 / Storage area ambient air, without filter	8/7/2012	9:57	0.3	20.7	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		10:06	--	--	--	--	43		
5173 / 1 / C / Storage area without filter		10:06	116.5	3.7	6.7	2.9	57		
5173 / 1 / A / Office area ambient air with filter		11:55	0.1	20.3	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		11:55	0.1	20.2	0.0	0.0	0		
5173 / 1 / A / Office area with filter		11:58	2.5	19.5	0.3	0.0	0		
5173 / 1 / A / Office area without filter		11:58	2.5	19.7	0.9	0.0	0		
5173 / 1 / B / Firing Range						Inaccessible due to Firing Range operation			
5173 / 1 / Storage area ambient air, with filter		11:52	0.3	20.6	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		11:52	0.3	20.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		12:26	100.7	0.5	6.1	2.2	47		
5173 / 1 / C / Storage area without filter		12:26	100.7	1.3	6.7	3.1	62		
5173 / 1 / A / Office area ambient air with filter		14:05	0.0	21.1	0.0	0.0	0		
5173 / 1 / A / Office area ambient air without filter		14:05	0.0	21.0	0.0	0.0	0		
5173 / 1 / A / Office area with filter		14:20	2.0	19.5	0.1	0.0	0		
5173 / 1 / A / Office area without filter		14:20	2.0	19.7	0.8	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:45	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:45	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		13:55	2.3	4.4	12.2	0.0	0		
5173 / 1 / B / Firing Range without filter		13:55	2.3	6.3	11.0	0.0	0		
5173 / 1 / Storage area ambient air, with filter		14:25	0.0	21.1	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		14:25	0.0	21.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:37	110.9	0.5	5.0	2.1	42		
5173 / 1 / C / Storage area without filter		14:37	110.9	4.8	5.1	2.3	46		
5173 / 1 / A / Office area ambient air without filter		0.0	20.0	0.0	0.0	0			
5173 / 1 / A / Office area with filter		13:44	0.5	19.5	0.9	0.0	0		
5173 / 1 / A / Office area without filter		13:44	0.5	19.4	1.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:57	0.0	20.7	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		14:07	1.2	5.5	11.0	0.0	0		
5173 / 1 / B / Firing Range without filter		14:07	1.2	5.3	11.6	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:03	0.0	20.5	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:21	39.1	1.4	3.8	1.9	39		
5173 / 1 / C / Storage area without filter		13:21	39.1	0.9	6.6	2.8	57		
5173 / 1 / A / Office area ambient air with filter		0.0	20.6	0.0	0.0	0			
5173 / 1 / A / Office area ambient air without filter		0.0	20.8	0.0	0.0	0			
5173 / 1 / A / Office area with filter		14:07	3.8	19.4	0.1	0.0	0		
5173 / 1 / A / Office area without filter		14:07	3.8	19.2	0.9	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		0.0	20.3	0.0	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		0.0	20.4	0.0	0.0	0			
5173 / 1 / B / Firing Range with filter		14:00	3.8	62.0	9.9	0.0	0		
5173 / 1 / B / Firing Range without filter		14:00	3.8	63.0	11.4	0.0	0		
5173 / 1 / Storage area ambient air, with filter		13:20	0.0	20.3	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	20.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		13:41	140.4	0.9	5.0	1.9	38		
5173 / 1 / C / Storage area without filter		13:41	140.4	0.8	6.3	2.8	58		
5173 / 1 / A / Office area ambient air with filter		0.0	20.9	0.0	0.0	0			
5173 / 1 / A / Office area ambient air without filter		0.0	20.7	0.0	0.0	0			
5173 / 1 / A / Office area with filter		12:08	0.5	19.6	0.2	0.0	0		
5173 / 1 / A / Office area without filter		12:08	0.5	19.2	1.0	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		0.0	21.3	0.0	0.0	0			
5173 / 1 / B / Firing Range ambient air without filter		0.0	21.1	0.0	0.0	0			
5173 / 1 / B / Firing Range with filter		12:23	1.9	5.8	9.7	0.0	0		
5173 / 1 / B / Firing Range without filter		12:23	1.9	5.5	11.8	0.0	0		
5173 / 1 / Storage area ambient air, with filter		0.0	21.2	0.0	0.0	0			
5173 / 1 / Storage area ambient air, without filter		0.0	21.2	0.0	0.0	0			
5173 / 1 / C / Storage area with filter		60.2	0.8	5.1	2.3	45			
5173 / 1 / C / Storage area without filter		60.2	1.0	6.0	2.7	55			

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	9/20/2012	11:55	0.0	20.3	0.1	0.0	low 70s	none				
5173 / 1 / A / Office area ambient air without filter		11:55	0.0	20.3	0.0	0.0						
5173 / 1 / A / Office area with filter		12:04	0.6	18.0	0.2	0.0						
5173 / 1 / A / Office area without filter		12:04	0.6	17.8	1.5	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:15	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:15	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		12:23	88.5	1.9	4.5	2.0						
5173 / 1 / C / Storage area without filter		12:23	88.5	1.8	5.3	2.6						
5173 / 1 / SIM Trainer	9/27/2012	Inaccessible					60s - 70s	none				
5173 / 1 / A / Office area ambient air with filter	10/2/2012	13:05	0.0	21.1	0.0	0.0	mid 60s	light rain				
5173 / 1 / A / Office area ambient air without filter		13:05	0.0	21.1	0.0	0.0						
5173 / 1 / A / Office area with filter		13:09	0.7	15.6	0.7	0.0						
5173 / 1 / A / Office area without filter		13:09	0.7	17.4	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:50	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:50	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		13:00	0.7	4.6	10.3	0.0						
5173 / 1 / B / Firing Range without filter		13:00	0.7	4.7	10.5	0.0						
5173 / 1 / Storage area ambient air, with filter		13:13	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:13	0.0	21.2	0.0	0.0						
5173 / 1 / C / Storage area with filter	10/18/2012	13:17	57.3	0.8	5.8	2.0	mid 70s	none				
5173 / 1 / C / Storage area without filter		13:17	57.3	0.9	5.0	2.8						
5173 / 1 / A / Office area ambient air with filter		13:15	0.0	21.2	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:15	0.0	21.3	0.0	0.0						
5173 / 1 / A / Office area with filter		13:44	0.8	16.3	2.4	0.0						
5173 / 1 / A / Office area without filter		13:44	0.8	16.2	2.5	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.3	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:50	104.2	1.8	3.8	1.5						
5173 / 1 / C / Storage area without filter		13:50	104.2	1.9	4.3	1.9						
5173 / 1 / A / Office area ambient air with filter	10/25/2012	13:35	0.0	21.0	0.1	0.0	70s	none				
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.0	0.1	0.0						
5173 / 1 / A / Office area with filter		14:17	2.4	15.6	0.8	0.0						
5173 / 1 / A / Office area without filter		14:17	2.4	15.2	2.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:06	0.0	20.5	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:06	0.0	20.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:20	1.0	3.8	9.6	0.0						
5173 / 1 / B / Firing Range without filter		14:20	1.0	4.1	10.0	0.0						
5173 / 1 / Storage area ambient air, with filter		13:20	0.0	21.0	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter	10/30/2012	14:24	72.9	1.3	3.7	1.5	30s - 40s	snow & rain				
5173 / 1 / C / Storage area without filter		14:24	72.9	1.4	4.1	2.0						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	21.9	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.9	0.1	0.0						
5173 / 1 / A / Office area with filter		14:55	1.6	14.2	1.8	0.0						
5173 / 1 / A / Office area without filter		14:55	1.6	14.3	3.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:48	0.0	21.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:48	0.0	21.4	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:02	1.6	4.0	9.5	0.0						
5173 / 1 / B / Firing Range without filter		15:02	1.6	4.1	10.5	0.0						
5173 / 1 / Storage area ambient air, with filter	11/8/2012	13:20	0.0	22.2	0.1	0.0	30s - 40s	none				
5173 / 1 / Storage area ambient air, without filter		13:20	0.0	22.1	0.1	0.0						
5173 / 1 / C / Storage area with filter		15:06	79.5	1.2	4.3	1.6						
5173 / 1 / C / Storage area without filter		15:06	79.5	1.4	4.1	2.1						
5173 / 1 / A / Office area ambient air with filter		14:02	1.4	21.4	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		14:02	1.4	21.5	0.1	0.0						
5173 / 1 / A / Office area with filter		15:21	4.2	13.7	3.2	0.0						
5173 / 1 / A / Office area without filter		15:21	4.2	13.7	3.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		14:15	1.2	21.0	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:15	1.2	21.1	0.0	0.0						
5173 / 1 / B / Firing Range with filter	11/8/2012	15:26	1.8	4.5	9.5	0.0	30s - 40s	none				
5173 / 1 / B / Firing Range without filter		15:26	1.8	4.8	9.9	0.0						
5173 / 1 / Storage area ambient air, with filter		13:35	1.3	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:35	1.3	21.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:36	165.5	1.2	3.2	1.4						
5173 / 1 / C / Storage area without filter		15:36	165.5	2.2	3.5	1.6						

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)		
		Time (ppm)	(%)	(%)	(%)	(%)					
5173 / 1 / A / Office area ambient air with filter	11/15/2012	13:37	0.0	21.7	0.2	0.0	0	none			
5173 / 1 / A / Office area ambient air without filter		13:37	0.0	21.8	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:32	0.0	14.3	3.3	0.0	0				
5173 / 1 / A / Office area without filter		15:32	0.0	14.6	3.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:58	0.0	21.7	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:58	0.0	21.9	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		15:43	0.0	4.3	9.5	0.0	0				
5173 / 1 / B / Firing Range without filter		15:43	0.0	4.5	9.8	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:15	0.0	21.8	0.2	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:15	0.0	21.4	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	11/15/2012	15:45	92.6	1.4	2.5	1.0	21	none			
5173 / 1 / C / Storage area without filter		15:45	92.6	1.4	3.4	1.3	27				
5173 / 1 / A / Office area ambient air with filter	11/20/2012	13:03	0.0	20.9	0.1	0.0	0	Trace			
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	20.9	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:45	0.0	13.8	3.2	0.0	0				
5173 / 1 / A / Office area without filter		14:45	0.0	13.9	3.6	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:09	0.0	21.0	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		13:09	0.0	21.1	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		14:50	0.0	4.6	9.7	0.0	0				
5173 / 1 / B / Firing Range without filter		14:50	0.0	4.7	10.1	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:08	0.0	20.9	0.1	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:08	0.0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	11/20/2012	14:53	183.7	13.6	1.3	0.4	9	Trace			
5173 / 1 / C / Storage area without filter		14:53	183.7	10.8	1.8	0.8	16				
5173 / 1 / A / Office area ambient air with filter	11/29/2012	12:31	0.6	21.3	0.1	0.0	0	None			
5173 / 1 / A / Office area ambient air without filter		12:31	0.6	21.3	0.1	0.0	0				
5173 / 1 / A / Office area with filter		14:05	1.8	13.1	4.0	0.0	0				
5173 / 1 / A / Office area without filter		14:05	1.8	13.3	4.1	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		12:40	0.4	21.2	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		12:40	0.4	21.2	0.1	0.0	0				
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation									
5173 / 1 / Storage area ambient air, with filter		12:37	0.3	21.3	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		12:37	0.3	21.3	0.0	0.0	0				
5173 / 1 / C / Storage area with filter		14:23	120.4	2.4	2.8	1.1	22				
5173 / 1 / C / Storage area without filter		14:23	120.4	2.2	3.0	1.5	30				
5173 / 1 / A / Office area ambient air with filter	12/4/2012	13:26	0.0	21.3	0.0	0.0	0	rainy (~0.3 inches)			
5173 / 1 / A / Office area ambient air without filter		13:26	0.0	21.2	0.1	0.0	0				
5173 / 1 / A / Office area with filter		15:29	0.1	13.6	4.5	0.0	0				
5173 / 1 / A / Office area without filter		15:29	0.1	13.7	4.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		14:17	0.0	21.0	0.1	0.0	0				
5173 / 1 / B / Firing Range ambient air without filter		14:17	0.0	21.0	0.0	0.0	0				
5173 / 1 / B / Firing Range with filter		15:34	0.2	9.1	7.1	0.0	0				
5173 / 1 / B / Firing Range without filter		15:34	0.2	9.1	7.3	0.0	0				
5173 / 1 / Storage area ambient air, with filter		13:07	0.0	21.4	0.0	0.0	0				
5173 / 1 / Storage area ambient air, without filter		13:07	0.0	21.0	0.0	0.0	0				
5173 / 1 / C / Storage area with filter	12/13/2012	15:39	66.6	1.6	4.2	1.0	19	sunny			
5173 / 1 / C / Storage area without filter		15:39	66.6	1.6	3.6	1.3	27				
5173 / 1 / A / Office area ambient air with filter	12/18/2012	14:18	0.0	22.0	0.0	0.0	0	none			
5173 / 1 / A / Office area ambient air without filter		14:18	0.0	22.0	0.0	0.0	0.0				
5173 / 1 / A / Office area with filter		15:17	0.0	14.9	2.5	0.1 U	1 U				
5173 / 1 / A / Office area without filter		15:17	0.0	14.6	4.2	0.0	0				
5173 / 1 / B / Firing Range ambient air with filter		13:54	0.0	22.0	0.0	0.1 U	2 U				
5173 / 1 / B / Firing Range ambient air without filter		13:54	0.0	21.8	0.1	0.0	0				
5173 / 1 / B / Firing Range with filter		15:23	1.6	6.4	8.8	0.0	1 U				
5173 / 1 / B / Firing Range without filter		15:23	1.6	6.1	9.7	0.1	1				
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	22.0	0.1	0.1 U	2 U				
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	22.1	0.1	0.0	0				
5173 / 1 / C / Storage area with filter	12/18/2012	15:34	109.7	2.0	2.6	1.0	19	none			
5173 / 1 / C / Storage area without filter		15:34	109.7	1.9	3.2	1.2	25				

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	12/27/2012	13:05	0.0	21.0	0.0	0.0	30s	none	
5173 / 1 / A / Office area ambient air without filter		13:05	0.0	21.0	0.0	0.0			
5173 / 1 / A / Office area with filter		14:15	0.7	15.4	4.1	0.0			
5173 / 1 / A / Office area without filter		14:15	0.7	15.5	4.1	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	21.1	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	21.1	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:25	0.5	8.1	8.7	0.0			
5173 / 1 / B / Firing Range without filter		14:25	0.5	7.8	9.0	0.0			
5173 / 1 / Storage area ambient air, with filter		13:00	0.0	21.0	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:00	0.0	21.0	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:35	75.0	16.5	1.1	0.3			
5173 / 1 / C / Storage area without filter		14:35	75.0	12.0	1.5	0.5			
5173 / 1 / A / Office area ambient air with filter	1/3/2013	12:50	0.1	21.2	0.1	0.0	10s - 20s	None	
5173 / 1 / A / Office area ambient air without filter		12:50	0.1	21.2	0.1	0.0			
5173 / 1 / A / Office area with filter		14:15	0.3	17.9	2.4	0.0			
5173 / 1 / A / Office area without filter		14:15	0.3	16.9	3.2	0.0			
5173 / 1 / B / Firing Range ambient air with filter		12:57	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		12:57	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:26	0.4	8.7	8.4	0.0			
5173 / 1 / B / Firing Range without filter		14:26	0.4	8.7	8.4	0.0			
5173 / 1 / Storage area ambient air, with filter		12:55	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		12:55	0.0	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:34	90.4	4.0	2.6	0.7			
5173 / 1 / C / Storage area without filter		14:34	90.4	2.5	2.7	1.1			
5173 / 1 / A / Office area ambient air with filter	1/10/2013	13:28	0.0	21.1	0.1	0.0	30s	Trace	
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	21.1	0.0	0.0			
5173 / 1 / A / Office area with filter		14:24	1.0	16.0	3.7	0.0			
5173 / 1 / A / Office area without filter		14:24	1.0	16.0	3.9	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:26	0.1	20.8	0.2	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:26	0.1	21.0	0.1	0.0			
5173 / 1 / B / Firing Range with filter		14:30	0.9	9.1	7.8	0.0			
5173 / 1 / B / Firing Range without filter		14:30	0.9	9.4	7.9	0.0			
5173 / 1 / Storage area ambient air, with filter		13:24	0.1	21.0	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		13:24	0.1	21.1	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:45	52.2	3.1	3.0	0.6			
5173 / 1 / C / Storage area without filter		14:45	52.2	3.2	2.8	0.9			
5173 / 1 / A / Office area ambient air with filter	1/17/2013	13:10	0.0	21.3	0.1	0.0	30s	None	
5173 / 1 / A / Office area ambient air without filter		13:10	0.0	21.4	0.0	0.0			
5173 / 1 / A / Office area with filter		14:00	1.0	13.5	4.2	0.0			
5173 / 1 / A / Office area without filter		14:00	1.0	13.5	4.3	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:08	0.1	21.3	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:08	0.1	21.3	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:07	0.3	8.9	8.5	0.0			
5173 / 1 / B / Firing Range without filter		14:07	0.3	8.9	8.7	0.0			
5173 / 1 / Storage area ambient air, with filter		13:06	0.1	21.3	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		13:06	0.1	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:21	92.9	1.5	3.3	0.8			
5173 / 1 / C / Storage area without filter		14:21	92.9	1.6	3.2	1.0			
5173 / 1 / A / Office area ambient air with filter	1/24/2013	13:45	0.0	22.2	0.1	0.0	10 - 20s	None	
5173 / 1 / A / Office area ambient air without filter		13:45	0.0	21.9	0.1	0.0			
5173 / 1 / A / Office area with filter		15:56	0.0	16.2	2.9	0.0			
5173 / 1 / A / Office area without filter		15:56	0.0	15.9	4.1	0.0			
5173 / 1 / B / Firing Range ambient air with filter		13:36	0.0	22.4	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		13:36	0.0	22.4	0.0	0.0			
5173 / 1 / B / Firing Range with filter		16:01	0.4	7.2	8.2	0.0			
5173 / 1 / B / Firing Range without filter		16:01	0.4	6.7	9.0	0.0			
5173 / 1 / Storage area ambient air, with filter		13:25	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:25	0.0	20.9	0.0	0.0			
5173 / 1 / C / Storage area with filter		16:08	53.0	2.5	2.8	0.6			
5173 / 1 / C / Storage area without filter		16:08	53.0	1.9	2.8	0.9			

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	1/31/2013	13:33	0.0	22.1	0.1	0.0	10 - 20s	None				
5173 / 1 / A / Office area ambient air without filter		13:33	0.0	22.2	0.1	0.0						
5173 / 1 / A / Office area with filter		15:35	0.1	15.7	2.6	0.0						
5173 / 1 / A / Office area without filter		15:35	0.1	14.8	4.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		14:10	0.0	22.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:10	0.0	22.6	0.1	0.0						
5173 / 1 / B / Firing Range with filter		15:41	0.2	6.4	9.0	0.0						
5173 / 1 / B / Firing Range without filter		15:41	0.2	6.6	9.5	0.0						
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	22.1	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.8	0.1	0.0						
5173 / 1 / C / Storage area with filter	1/31/2013	15:46	76.7	1.9	4.3	0.6	10 - 20s	None				
5173 / 1 / C / Storage area without filter		15:46	76.7	1.6	3.2	0.9						
5173 / 1 / A / Office area ambient air with filter	2/7/2013	14:07	0.4	21.8	0.1	0.0	20s - 50s	none				
5173 / 1 / A / Office area ambient air without filter		14:07	0.4	21.8	0.2	0.0						
5173 / 1 / A / Office area with filter		15:09	0.8	15.4	3.5	0.0						
5173 / 1 / A / Office area without filter		15:09	0.8	15.0	4.2	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:54	0.2	21.4	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:54	0.2	21.2	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:21	135.7	2.0	3.4	0.6						
5173 / 1 / C / Storage area without filter		15:21	135.7	1.5	3.0	0.9						
5173 / 1 / A / Office area ambient air with filter	2/12/2013	13:01	0.1	21.2	0.0	0.0	30s - 40s	none				
5173 / 1 / A / Office area ambient air without filter		13:01	0.1	21.2	0.1	0.0						
5173 / 1 / A / Office area with filter		14:30	0.9	15.4	3.6	0.0						
5173 / 1 / A / Office area without filter		14:30	0.9	15.2	4.3	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	21.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	21.2	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:23	0.4	9.4	7.9	0.0						
5173 / 1 / B / Firing Range without filter		14:23	0.4	9.1	7.5	0.0						
5173 / 1 / Storage area ambient air, with filter		12:59	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:59	0.0	21.2	0.0	0.0						
5173 / 1 / C / Storage area with filter	2/12/2013	14:38	109.2	1.9	3.3	0.5	30s - 40s	none				
5173 / 1 / C / Storage area without filter		14:38	109.2	3.0	3.0	0.7						
5173 / 1 / A / Office area ambient air with filter	2/21/2013	13:07	0.0	22.3	0.0	0.0	20s	trace				
5173 / 1 / A / Office area ambient air without filter		13:07	0.0	22.3	0.1	0.0						
5173 / 1 / A / Office area with filter		Inaccessible due to Firing Range operation										
5173 / 1 / A / Office area without filter		13:09	0.1	22.3	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:09	0.1	22.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:09	0.1	22.3	0.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:12	0.1	22.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:12	0.1	22.3	0.1	0.0						
5173 / 1 / C / Storage area with filter		90.5	1.8	3.0	0.7	13						
5173 / 1 / C / Storage area without filter		90.5	2.0	2.9	0.9	18						
5173 / 1 / A / Office area ambient air with filter	2/28/2013	13:03	0.0	21.1	0.1	0.0	30s - 40s	~1 inch				
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	21.1	0.1	0.0						
5173 / 1 / A / Office area with filter		14:31	0.6	14.7	4.0	0.0						
5173 / 1 / A / Office area without filter		14:31	0.6	14.7	4.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:21	0.0	21.3	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:21	0.0	21.3	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:15	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:15	0.0	21.2	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:36	63.0	2.3	3.2	0.6						
5173 / 1 / C / Storage area without filter		14:36	63.0	2.4	3.1	0.8						
5173 / 1 / A / Office area ambient air with filter	3/7/2013	14:00	0.4	21.2	0.1	0.0	30s	None				
5173 / 1 / A / Office area ambient air without filter		14:00	0.4	21.2	0.1	0.0						
5173 / 1 / A / Office area with filter		14:13	0.0	16.4	2.4	0.0						
5173 / 1 / A / Office area without filter		14:13	0.0	15.2	4.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:50	0.4	21.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:50	0.4	21.6	0.1	0.0						
5173 / 1 / B / Firing Range with filter		14:17	0.0	9.1	7.1	0.0						
5173 / 1 / B / Firing Range without filter		14:17	0.0	6.9	9.8	0.0						
5173 / 1 / Storage area ambient air, with filter		13:40	0.3	21.5	0.3	0.0						
5173 / 1 / Storage area ambient air, without filter		13:40	0.3	21.5	0.1	0.0						
5173 / 1 / C / Storage area with filter	3/7/2013	14:21	47.0	5.1	5.0	0.4	30s	None				
5173 / 1 / C / Storage area without filter		14:21	47.0	3.1	3.1	0.8						

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	3/14/2013	13:04	0.0	21.1	0.1	0.0	0	None	
5173 / 1 / A / Office area ambient air without filter		13:04	0.0	21.2	0.1	0.0	0		
5173 / 1 / A / Office area with filter		14:36	0.0	15.2	4.1	0.0	0		
5173 / 1 / A / Office area without filter		14:36	0.0	15.2	4.6	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:33	0.0	21.8	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:33	0.0	21.7	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		14:30	0.1	9.4	9.1	0.0	0		
5173 / 1 / B / Firing Range without filter		14:30	0.1	9.6	8.8	0.0	0		
5173 / 1 / Storage area ambient air, with filter		13:18	0.0	21.3	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:18	0.0	21.4	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	3/14/2013	14:53	80.1	2.3	3.0	0.4	8	None	
5173 / 1 / C / Storage area without filter		14:53	80.1	2.4	3.3	0.6	13		
5173 / 1 / A / Office area ambient air with filter	3/21/2013	13:40	0.0	21.2	0.1	0.0	0	Trace	
5173 / 1 / A / Office area ambient air without filter		13:40	0.0	21.3	0.1	0.0	0		
5173 / 1 / A / Office area with filter		14:04	0.0	15.1	4.8	0.0	0		
5173 / 1 / A / Office area without filter		14:04	0.0	15.1	4.4	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.0	21.7	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.0	21.8	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		13:57	0.0	6.7	9.5	0.0	0		
5173 / 1 / B / Firing Range without filter		13:57	0.0	6.8	9.8	0.0	0		
5173 / 1 / Storage area ambient air, with filter		13:17	0.0	21.8	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:17	0.0	21.8	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	3/21/2013	14:11	85.5	4.7	3.6	0.5	11	Trace	
5173 / 1 / C / Storage area without filter		14:11	85.5	2.5	3.3	0.8	17		
5173 / 1 / A / Office area ambient air with filter	3/28/2013	12:41	0.0	21.3	0.0	0.0	0	None	
5173 / 1 / A / Office area ambient air without filter		12:41	0.0	21.3	0.0	0.0	0		
5173 / 1 / A / Office area with filter		13:21	0.0	15.4	5.4	0.0	0		
5173 / 1 / A / Office area without filter		13:21	0.0	15.5	4.4	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		12:42	0.0	21.3	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		12:42	0.0	21.3	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		13:16	0.0	7.3	9.1	0.0	0		
5173 / 1 / B / Firing Range without filter		13:16	0.0	7.2	9.8	0.0	0		
5173 / 1 / Storage area ambient air, with filter		12:44	0.0	21.3	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		12:44	0.0	21.3	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	3/28/2013	13:27	109.0	3.1	3.4	0.6	12	None	
5173 / 1 / C / Storage area without filter		13:27	109.0	3.3	3.2	0.8	16		
5173 / 1 / A / Office area ambient air with filter	4/4/2013	13:27	0.0	21.3	0.0	0.0	0	None	
5173 / 1 / A / Office area ambient air without filter		13:27	0.0	21.3	0.0	0.0	0		
5173 / 1 / A / Office area with filter		14:31	0.4	16.1	3.3	0.0	0		
5173 / 1 / A / Office area without filter		14:31	0.4	15.9	3.8	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:32	0.0	21.2	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:32	0.0	21.2	0.0	0.0	0		
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation							
5173 / 1 / Storage area ambient air, with filter		13:31	0.0	21.2	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:31	0.0	21.2	0.0	0.0	0		
5173 / 1 / C / Storage area with filter		14:38	87.2	11.7	1.8	0.4	7		
5173 / 1 / C / Storage area without filter		14:38	87.2	13.3	1.6	0.4	8		
5173 / 1 / A / Office area ambient air with filter	4/9/2013	13:23	0.0	20.4	0.0	0.0	0	None	
5173 / 1 / A / Office area ambient air without filter		13:23	0.0	20.5	0.0	0.0	0		
5173 / 1 / A / Office area with filter		14:19	1.1	15.5	3.8	0.0	0		
5173 / 1 / A / Office area without filter		14:19	1.1	15.6	4.2	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		13:30	0.0	20.6	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		13:30	0.0	20.6	0.0	0.0	0		
5173 / 1 / B / Firing Range with filter		14:26	1.3	6.5	9.5	0.0	0		
5173 / 1 / B / Firing Range without filter		14:26	1.3	10.0	6.6	0.0	0		
5173 / 1 / Storage area ambient air, with filter		13:31	0.0	20.6	0.0	0.0	0		
5173 / 1 / Storage area ambient air, without filter		13:31	0.0	20.6	0.0	0.0	0		
5173 / 1 / C / Storage area with filter	4/9/2013	14:31	102.1	3.5	3.8	0.5	11	None	
5173 / 1 / C / Storage area without filter		14:31	102.1	3.7	3.6	0.7	14		
5173 / 1 / A / Office area ambient air with filter	4/18/2013	12:30	0.7	20.6	0.0	0.0	0	None	
5173 / 1 / A / Office area ambient air without filter		12:30	0.7	20.6	0.0	0.0	0		
5173 / 1 / A / Office area with filter		14:15	1.1	15.2	4.3	0.0	0		
5173 / 1 / A / Office area without filter		14:15	1.1	15.2	4.5	0.0	0		
5173 / 1 / B / Firing Range ambient air with filter		12:37	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range ambient air without filter		12:37	0.0	20.4	0.0	0.0	0		
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation							
5173 / 1 / Storage area ambient air, with filter		12:35	0.1	20.4	0.2	0.0	0		
5173 / 1 / Storage area ambient air, without filter		12:35	0.1	20.4	0.1	0.0	0		
5173 / 1 / C / Storage area with filter		14:21	134.9	1.6	5.2	0.6	13		
5173 / 1 / C / Storage area without filter		14:21	134.9	1.7	5.3	0.9	18		

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	4/23/2013	14:09	0.0	21.4	0.0	0.0	50s - 60s	None				
5173 / 1 / A / Office area ambient air without filter		14:09	0.0	21.4	0.1	0.0						
5173 / 1 / A / Office area with filter		14:55	0.3	16.1	3.0	0.0						
5173 / 1 / A / Office area without filter		14:55	0.3	15.9	4.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:52	0.0	20.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:52	0.0	20.6	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:59	0.2	6.9	10.4	0.0						
5173 / 1 / B / Firing Range without filter		14:59	0.2	6.9	10.8	0.0						
5173 / 1 / Storage area ambient air, with filter		14:00	0.0	21.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:00	0.0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter	4/23/2013	15:04	77.6	3.5	4.1	0.5	50s - 60s	None				
5173 / 1 / C / Storage area without filter		15:04	77.6	3.5	4.6	0.8						
5173 / 1 / A / Office area ambient air with filter	4/30/2013	13:39	0.0	21.3	0.0	0.0	40s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		13:39	0.0	21.3	0.0	0.0						
5173 / 1 / A / Office area with filter		14:58	0.0	16.7	3.1	0.0						
5173 / 1 / A / Office area without filter		14:58	0.0	16.6	3.8	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:16	0.0	20.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:16	0.0	20.2	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:02	0.5	7.1	9.6	0.0						
5173 / 1 / B / Firing Range without filter		15:02	0.5	6.8	10.6	0.0						
5173 / 1 / Storage area ambient air, with filter		13:21	0.0	20.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:21	0.0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter	4/30/2013	15:06	60.1	2.5	5.8	0.5	40s - 70s	None				
5173 / 1 / C / Storage area without filter		15:06	60.1	2.6	4.9	0.8						
5173 / 1 / A / Office area ambient air with filter	5/9/2013	13:35	0.0	20.6	0.0	0.0	50s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	20.6	20.7	0.0						
5173 / 1 / A / Office area with filter		14:49	0.0	17.5	1.8	0.0						
5173 / 1 / A / Office area without filter		14:49	0.0	17.3	2.8	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:19	0.0	19.5	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:19	0.0	19.6	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:51	0.4	7.0	10.3	0.0						
5173 / 1 / B / Firing Range without filter		14:51	0.4	7.1	10.8	0.0						
5173 / 1 / Storage area ambient air, with filter		13:27	0.0	20.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:27	0.0	20.1	0.0	0.0						
5173 / 1 / C / Storage area with filter	5/9/2013	14:55	31.5	2.2	5.8	0.6	50s - 70s	None				
5173 / 1 / C / Storage area without filter		14:55	31.5	2.3	5.5	0.9						
5173 / 1 / A / Office area ambient air with filter	5/16/2013	12:30	0.0	20.7	0.0	0.0	40s - 80s	~1 inch				
5173 / 1 / A / Office area ambient air without filter		12:30	0.0	20.7	0.1	0.0						
5173 / 1 / A / Office area with filter		13:48	1.0	18.1	2.7	0.0						
5173 / 1 / A / Office area without filter		13:48	1.0	17.9	3.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:33	0.0	20.7	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:33	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:31	0.0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:31	0.0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:59	120.3	1.8	6.5	0.8						
5173 / 1 / C / Storage area without filter		13:59	120.3	1.5	6.6	1.1						
5173 / 1 / A / Office area ambient air with filter	5/21/2013	14:06	0.0	20.5	0.0	0.0	40s - 80s	~0.2 inch				
5173 / 1 / A / Office area ambient air without filter		14:06	0.0	20.5	0.0	0.0						
5173 / 1 / A / Office area with filter		15:37	0.0	18.8	1.8	0.0						
5173 / 1 / A / Office area without filter		15:37	0.0	18.7	2.5	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:50	0.0	19.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:50	0.0	19.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:41	0.9	6.7	12.1	0.0						
5173 / 1 / B / Firing Range without filter		15:41	0.9	6.8	12.6	0.0						
5173 / 1 / Storage area ambient air, with filter		13:58	0.0	20.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:58	0.0	20.0	0.0	0.0						
5173 / 1 / C / Storage area with filter	5/21/2013	15:44	79.5	3.1	7.0	0.6	40s - 80s	~0.2 inch				
5173 / 1 / C / Storage area without filter		15:44	79.5	3.1	6.6	1.0						
5173 / 1 / A / Office area ambient air with filter	5/30/2013	12:20	0.0	20.7	0.0	0.0	50s - 80s	~1.3 inch				
5173 / 1 / A / Office area ambient air without filter		12:20	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		13:48	1.7	18.6	2.0	0.0						
5173 / 1 / A / Office area without filter		13:48	1.7	18.4	2.3	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:34	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:34	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:36	0.0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:36	0.0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:56	137.2	1.5	7.2	0.8						
5173 / 1 / C / Storage area without filter		13:56	137.2	1.6	7.4	1.2						

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	6/6/2013	13:51	0.1	20.9	0.0	0.0	60s	0.25 inch				
5173 / 1 / A / Office area ambient air without filter		13:51	0.1	20.9	0.1	0.0						
5173 / 1 / A / Office area with filter		15:28	1.8	19.2	2.0	0.0						
5173 / 1 / A / Office area without filter		15:28	1.8	19.0	2.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:56	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:56	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:55	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:55	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:35	126.8	4.3	6.5	0.8						
5173 / 1 / C / Storage area without filter		15:35	126.8	4.4	6.8	1.1						
5173 / 1 / A / Office area ambient air with filter	6/13/2013	15:25	0.0	20.8	0.0	0.0	60s - 80s	1.55 inches				
5173 / 1 / A / Office area ambient air without filter		15:25	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		--	0.0	18.6	2.5	0.0						
5173 / 1 / A / Office area without filter		--	0.0	19.9	0.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		15:00	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		15:00	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		--	0.7	6.6	12.1	0.0						
5173 / 1 / B / Firing Range without filter		--	0.7	6.6	12.7	0.0						
5173 / 1 / Storage area ambient air, with filter		15:13	0.0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:13	0.0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter	6/20/2013	--	86.4	2.0	7.5	1.0	50s - 80s	None				
5173 / 1 / C / Storage area without filter		--	86.4	1.9	7.6	1.4						
5173 / 1 / A / Office area ambient air with filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		--	0.9	19.4	0.7	0.0						
5173 / 1 / A / Office area without filter		--	0.9	19.2	1.7	0.0						
5173 / 1 / B / Firing Range ambient air with filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		--	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		--	2.3	6.4	11.8	0.0						
5173 / 1 / B / Firing Range without filter		--	2.3	6.5	12.5	0.0						
5173 / 1 / Storage area ambient air, with filter	6/27/2013	--	0.0	20.9	0.1	0.0	70s - 80s	Trace				
5173 / 1 / Storage area ambient air, without filter		--	0.0	20.9	0.1	0.0						
5173 / 1 / C / Storage area with filter		--	235.1	2.5	7.6	1.0						
5173 / 1 / C / Storage area without filter		--	235.1	2.4	7.4	1.8						
5173 / 1 / A / Office area ambient air with filter		13:12	0.0	21.6	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:12	21.5	0.0	0.0	0.0						
5173 / 1 / A / Office area with filter		14:23	0.2	19.8	0.7	0.0						
5173 / 1 / A / Office area without filter		14:23	0.2	19.6	1.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:02	0.0	21.5	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:02	0.0	21.5	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:18	0.0	8.6	11.2	0.0						
5173 / 1 / B / Firing Range without filter		14:18	0.0	8.3	11.4	0.0						
5173 / 1 / Storage area ambient air, with filter		13:25	0.0	21.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:25	0.0	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter	7/3/2013	14:30	223.0	3.1	5.7	1.3	60s - 80s	Trace				
5173 / 1 / C / Storage area without filter		14:30	223.0	3.0	7.6	1.6						
5173 / 1 / A / Office area ambient air with filter		12:51	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:51	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		13:09	0.0	19.0	1.8	0.0						
5173 / 1 / A / Office area without filter		13:09	0.0	19.0	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:47	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:47	0.0	20.7	0.1	0.0						
5173 / 1 / B / Firing Range with filter		13:05	5.0	7.7	10.9	0.0						
5173 / 1 / B / Firing Range without filter		13:05	5.0	7.7	11.7	0.0						
5173 / 1 / Storage area ambient air, with filter	7/11/2013	12:49	0	20.8	0.0	0.0	60s - 70s	None				
5173 / 1 / Storage area ambient air, without filter		12:49	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:25	217	3.3	6.5	1.2						
5173 / 1 / C / Storage area without filter		13:25	217	3.0	7.4	1.6						
5173 / 1 / A / Office area ambient air with filter		13:34	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:34	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		15:20	2.4	19.3	1.7	0.0						
5173 / 1 / A / Office area without filter		15:20	2.4	19.2	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:30	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:30	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:32	0.0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:32	0.0	20.8	0.1	0.0						
5173 / 1 / C / Storage area with filter		15:25	102.6	1.7	7.8	1.2						
5173 / 1 / C / Storage area without filter		15:25	102.6	1.9	8.0	1.8						

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	7/18/2013	12:34	0.0	20.7	0.0	0.0	70s - 90s	None				
5173 / 1 / A / Office area ambient air without filter		12:34	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		15:16	1.9	19.7	1.5	0.0						
5173 / 1 / A / Office area without filter		15:16	1.9	19.8	1.3	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:30	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:30	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:09	5.0	8.0	11.0	0.0						
5173 / 1 / B / Firing Range without filter		15:09	5.0	7.7	11.9	0.0						
5173 / 1 / Storage area ambient air, with filter		12:32	0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:32	0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter	7/18/2013	15:45	126.3	2.0	8.0	1.3	70s - 90s	None				
5173 / 1 / C / Storage area without filter		15:45	126.3	2.9	8.0	1.9						
5173 / 1 / A / Office area ambient air with filter		13:18	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:18	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		14:46	2.4	19.6	1.6	0.0						
5173 / 1 / A / Office area without filter		14:46	2.4	19.6	1.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter	7/25/2013	13:15	0.0	20.9	0.0	0.0	50s - 70s	None				
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.0	20.9	0.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:16	0	21.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:16	0	21.0	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:51	113.6	2.7	7.4	1.5						
5173 / 1 / C / Storage area without filter		14:51	113.6	2.8	7.7	1.9						
5173 / 1 / A / Office area ambient air with filter		13:34	0.0	20.8	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:34	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		14:41	1.0	18.9	2.5	0.0						
5173 / 1 / A / Office area without filter		14:41	1.0	19.0	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter	8/1/2013	13:31	0.0	20.8	0.0	0.0	60s - 80s	None				
5173 / 1 / B / Firing Range ambient air without filter		13:31	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:35	0.9	7.4	11.3	0.0						
5173 / 1 / B / Firing Range without filter		14:35	0.9	7.5	11.5	0.0						
5173 / 1 / Storage area ambient air, with filter		13:32	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:32	0	20.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:46	173.9	2.1	6.7	1.5						
5173 / 1 / C / Storage area without filter		14:46	173.9	2.5	7.4	2.1						
5173 / 1 / A / Office area ambient air with filter	8/6/2013	13:08	0.0	20.6	0.0	0.0	60s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		13:08	0.0	20.6	0.0	0.0						
5173 / 1 / A / Office area with filter		14:15	1.5	18.7	2.0	0.0						
5173 / 1 / A / Office area without filter		14:15	1.5	18.6	1.6	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:04	0.0	20.6	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:04	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:06	0	20.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:06	0	20.6	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:21	151.3	2.6	7.0	1.5						
5173 / 1 / C / Storage area without filter		14:21	151.3	3.0	7.0	2.2						
5173 / 1 / A / Office area ambient air with filter	8/15/2013	12:52	0.0	20.8	0.0	0.0	40s - 70s	None				
5173 / 1 / A / Office area ambient air without filter		12:52	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		13:51	0.3	19.3	2.2	0.0						
5173 / 1 / A / Office area without filter		13:51	0.3	19.2	1.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:50	0.0	20.8	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:50	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		13:45	1.8	6.4	11.4	0.0						
5173 / 1 / B / Firing Range without filter		13:45	1.8	6.6	11.7	0.0						
5173 / 1 / Storage area ambient air, with filter		12:54	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:54	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/22/2013	13:57	85.8	2.3	6.6	1.5	60s - 80s	Trace (0.06 in.)				
5173 / 1 / C / Storage area without filter		13:57	85.8	2.8	6.7	2.0						
5173 / 1 / A / Office area ambient air with filter		13:43	0.0	20.4	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.4	0.0	0.0						
5173 / 1 / A / Office area with filter		14:53	0.0	18.9	1.4	0.0						
5173 / 1 / A / Office area without filter		14:53	0.0	18.9	1.4	0.0						
5173 / 1 / B / Firing Range ambient air with filter	8/22/2013	13:40	0.0	20.4	0.0	0.0	60s - 80s	Trace (0.06 in.)				
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	20.4	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:41	0	20.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:41	0	20.3	0.1	0.0						
5173 / 1 / C / Storage area with filter	8/22/2013	15:00	91.2	1.6	7.0	1.4	60s - 80s	Trace (0.06 in.)				
5173 / 1 / C / Storage area without filter		15:00	91.2	1.8	7.0	2.2						

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	8/27/2013	13:28	0.0	20.5	0.0	0.0	70s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	20.5	0.0	0.0						
5173 / 1 / A / Office area with filter		14:30	1.9	19.2	1.6	0.0						
5173 / 1 / A / Office area without filter		14:30	1.9	19.1	1.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:25	0.0	20.5	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:25	0.0	20.5	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:27	0.1	20.4	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:27	0.1	20.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:35	91.4	3.1	6.4	1.5						
5173 / 1 / C / Storage area without filter		14:35	91.4	2.0	7.0	2.6						
5173 / 1 / A / Office area ambient air with filter	9/5/2013	15:09	-	21.0	0.0	0.0	50s - 80s	None				
5173 / 1 / A / Office area ambient air without filter		15:09	-	21.1	0.0	0.0						
5173 / 1 / A / Office area with filter		15:32	1.0	19.2	1.1	0.0						
5173 / 1 / A / Office area without filter		15:32	1.0	19.1	1.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		15:00	-	20.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		15:00	-	20.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:40	1.5	6.4	11.2	0.0						
5173 / 1 / B / Firing Range without filter		15:40	1.5	6.6	11.6	0.0						
5173 / 1 / Storage area ambient air, with filter		15:16	-	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:16	0	2.8	0.0	0.0						
5173 / 1 / C / Storage area with filter	9/12/2013	15:46	85	2.3	6.9	1.6	60s-80s	0.29 inches				
5173 / 1 / C / Storage area without filter		15:46	85	2.3	6.8	2.2						
5173 / 1 / A / Office area ambient air with filter		14:42	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		14:42	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		17:35	0.3	20.0	0.7	0.0						
5173 / 1 / A / Office area without filter		17:35	0.3	19.9	1.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		14:55	0.0	21.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:55	0.0	21.1	0.0	0.0						
5173 / 1 / B / Firing Range with filter		17:40	0.0	6.8	11.4	0.0						
5173 / 1 / B / Firing Range without filter		17:40	0.0	6.8	11.7	0.0						
5173 / 1 / Storage area ambient air, with filter	9/20/2013	15:04	0	20.8	0.0	0.0	60s-80s	0.6 inches	1009 - 1013			
5173 / 1 / Storage area ambient air, without filter		15:04	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		17:43	83.4	2.4	7.0	1.7						
5173 / 1 / C / Storage area without filter		17:43	83.4	2.4	6.9	2.3						
5173 / 1 / A / Office area ambient air with filter		13:28	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:28	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		14:20	0.4	18.7	1.0	0.0						
5173 / 1 / A / Office area without filter		14:20	0.4	18.6	1.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:36	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:36	0.0	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter	9/24/2013	14:24	1.2	6.5	10.6	0.0	40s - 70s	None	1016 - 1018			
5173 / 1 / B / Firing Range without filter		14:24	1.2	6.5	10.9	0.0						
5173 / 1 / Storage area ambient air, with filter		13:44	0.2	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:44	0.2	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:29	88.9	2.0	6.3	1.4						
5173 / 1 / C / Storage area without filter		14:29	88.9	2.1	6.1	1.9						
5173 / 1 / A / Office area ambient air with filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		14:44	0.3	18.1	1.4	0.0						
5173 / 1 / A / Office area without filter		14:44	0.3	18.0	1.5	0.0						
5173 / 1 / B / Firing Range ambient air with filter	10/3/2013	13:40	0.0	20.8	0.1	0.0	60s - 70s	0.27 inches	1015 - 1022			
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:38	1.2	6.7	10.0	0.0						
5173 / 1 / B / Firing Range without filter		14:38	1.2	6.7	10.6	0.0						
5173 / 1 / Storage area ambient air, with filter		13:41	0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:41	0	20.8	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:49	113.7	2.0	5.7	1.6						
5173 / 1 / C / Storage area without filter		14:49	113.7	2.0	5.9	2.1						
5173 / 1 / A / Office area ambient air with filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter	10/3/2013	13:39	0.0	17.9	2.5	0.0	60s - 70s	0.27 inches	1015 - 1022			
5173 / 1 / A / Office area without filter		13:39	0.0	17.9	1.6	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:18	0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:18	0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:41	121.1	1.7	5.2	1.5						
5173 / 1 / C / Storage area without filter		13:41	121.1	1.8	5.9	2.0						

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	10/10/2013	13:26	0.0	20.8	0.0	0.0	40s - 70s	None	1020 - 1022			
5173 / 1 / A / Office area ambient air without filter		13:26	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		13:56	0.6	16.2	1.5	0.0						
5173 / 1 / A / Office area without filter		13:56	0.6	16.2	1.8	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:03	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:01	1.3	6.0	9.7	0.0						
5173 / 1 / B / Firing Range without filter		14:01	1.3	5.8	10.4	0.0						
5173 / 1 / Storage area ambient air, with filter		13:13	0.05	20.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:13	0.05	20.6	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:12	91.55	2.4	5.6	1.4	40s - 70s	None	1020 - 1022			
5173 / 1 / C / Storage area without filter		14:12	91.55	1.8	5.2	1.9						
5173 / 1 / A / Office area ambient air with filter	10/17/2013	13:14	0.0	20.7	0.1	0.0	40s - 50s	0.1 inches	1011 - 1014			
5173 / 1 / A / Office area ambient air without filter		13:14	0.0	20.7	0.1	0.0						
5173 / 1 / A / Office area with filter		14:53	0.5	16.4	2.5	0.0						
5173 / 1 / A / Office area without filter		14:53	0.5	16.3	2.2	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:20	0	20.8	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:20	0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:58	138.6	2.4	4.9	1.4						
5173 / 1 / C / Storage area without filter		14:58	138.6	2.2	5.2	1.9						
5173 / 1 / A / Office area ambient air with filter	10/24/2013	12:26	0.0	21.0	0.1	0.0	30s - 40s	Trace (0.02 inches)	1015 - 1025			
5173 / 1 / A / Office area ambient air without filter		12:26	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		13:50	3.6	16.2	1.3	0.0						
5173 / 1 / A / Office area without filter		13:50	3.6	16.0	2.6	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:43	0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:43	0	21.4	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:54	223	4.3	2.5	1.0						
5173 / 1 / C / Storage area without filter		13:54	223	4.9	4.2	1.3						
5173 / 1 / A / Office area ambient air with filter	10/31/2013	13:36	0.0	21.1	0.1	0.0	60s	1.25 inches	1000 - 1010			
5173 / 1 / A / Office area ambient air without filter		13:36	0.0	21.1	0.1	0.0						
5173 / 1 / A / Office area with filter		15:17	1.5	16.6	3.0	0.0						
5173 / 1 / A / Office area without filter		15:17	1.5	16.8	2.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:13	0.0	21.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:13	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:21	1.9	10.3	6.6	0.0						
5173 / 1 / B / Firing Range without filter		15:21	1.9	10.3	7.0	0.0						
5173 / 1 / Storage area ambient air, with filter		13:26	0.3	21.1	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:26	0.3	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:26	103.3	7.4	3.7	0.7						
5173 / 1 / C / Storage area without filter		15:26	103.3	7.4	3.2	1.0						
5173 / 1 / A / Office area ambient air with filter	11/7/2013	12:48	0.0	20.9	0.1	0.0	40s	Trace (0.04 inches)	1020 - 1025			
5173 / 1 / A / Office area ambient air without filter		12:48	0.0	21.0	0.1	0.0						
5173 / 1 / A / Office area with filter		14:04	1.5	15.3	3.4	0.0						
5173 / 1 / A / Office area without filter		14:04	1.5	15.2	3.4	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:51	0	21.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter	11/12/2013	12:51	0	21.0	0.0	0.0	20s - 30s	Trace (0.05 inches)	1030 - 1036			
5173 / 1 / C / Storage area with filter		14:09	112.3	3.0	3.7	1.0						
5173 / 1 / C / Storage area without filter		14:09	112.3	3.0	4.2	1.3						
5173 / 1 / A / Office area ambient air with filter		12:48	0.0	21.1	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:48	0.0	21.1	0.0	0.0						
5173 / 1 / A / Office area with filter	11/12/2013	13:45	1.2	15.3	3.3	0.0	20s - 30s	Trace (0.05 inches)	1030 - 1036			
5173 / 1 / A / Office area without filter		13:45	1.2	15.2	3.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:44	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:44	0.0	21.3	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:52	105.9	3.1	3.4	1.0						
5173 / 1 / C / Storage area without filter		13:52	105.9	2.9	3.9	1.3						

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)
		Time (ppm)	(%)	(%)	(%)	(%)			
5173 / 1 / A / Office area ambient air with filter	11/20/2013	14:31	0.0	21.2	0.0	0.0	20s - 40s	None	1023 - 1026
5173 / 1 / A / Office area ambient air without filter		14:31	0.0	21.2	0.0	0.0			
5173 / 1 / A / Office area with filter		14:45	0.0	15.5	3.0	0.0			
5173 / 1 / A / Office area without filter		14:45	0.0	15.2	3.4	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:42	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:42	0.0	21.2	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:47	0.0	6.7	8.1	0.0			
5173 / 1 / B / Firing Range without filter		14:47	0.0	6.4	9.3	0.0			
5173 / 1 / Storage area ambient air, with filter		14:35	0.0	21.1	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		14:35	0.0	21.1	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:49	133.9	3.2	4.3	0.9			
5173 / 1 / C / Storage area without filter		14:49	133.9	2.8	3.7	1.3			
5173 / 1 / A / Office area ambient air with filter	11/26/2013	14:10	0.0	21.1	0.0	0.0	30s	Trace (0.01 inches)	1013 - 1019
5173 / 1 / A / Office area ambient air without filter		14:10	0.0	21.1	0.0	0.0			
5173 / 1 / A / Office area with filter		14:45	0.0	14.6	4.7	0.0			
5173 / 1 / A / Office area without filter		14:45	0.0	14.8	3.8	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:15	0.0	20.9	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:15	0.0	21.0	0.1	0.0			
5173 / 1 / B / Firing Range with filter		14:51	0.0	6.5	8.8	0.0			
5173 / 1 / B / Firing Range without filter		14:51	0.0	6.6	9.1	0.0			
5173 / 1 / Storage area ambient air, with filter		13:56	0.0	21.1	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:56	0.0	21.2	0.0	0.0			
5173 / 1 / C / Storage area with filter		14:57	90.7	2.3	4.2	1.0			
5173 / 1 / C / Storage area without filter		14:57	90.7	2.2	3.5	1.3			
5173 / 1 / A / Office area ambient air with filter	12/5/2013	13:33	0.1	21.8	0.0	0.0	30s - 40s	0.07 inches	1013 - 1016
5173 / 1 / A / Office area ambient air without filter		13:33	0.1	21.7	0.1	0.0			
5173 / 1 / A / Office area with filter		15:07	1.2	14.8	3.6	0.0			
5173 / 1 / A / Office area without filter		15:07	1.2	14.8	4.0	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:14	0.0	21.4	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:14	0.0	21.5	0.1	0.0			
5173 / 1 / B / Firing Range with filter		14:59	1.9	6.6	8.9	0.0			
5173 / 1 / B / Firing Range without filter		14:59	1.9	6.6	9.4	0.0			
5173 / 1 / Storage area ambient air, with filter		13:25	0.3	21.5	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		13:25	0.3	21.7	0.0	0.0			
5173 / 1 / C / Storage area with filter		15:11	189.7	2.8	3.5	0.9			
5173 / 1 / C / Storage area without filter		15:11	189.7	2.7	3.5	1.3			
5173 / 1 / A / Office area ambient air with filter	12/12/2013	13:59	0.0	21.0	0.1	0.0	15 - 20	None	1030 - 1036
5173 / 1 / A / Office area ambient air without filter		13:59	0.0	21.1	0.1	0.0			
5173 / 1 / A / Office area with filter		15:52	0.6	18.8	2.5	0.0			
5173 / 1 / A / Office area without filter		15:52	0.6	19.2	1.4	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:18	0.0	21.2	0.1	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:18	0.0	21.3	0.0	0.0			
5173 / 1 / B / Firing Range with filter		14:57	1.6	6.8	8.3	0.0			
5173 / 1 / B / Firing Range without filter		14:57	1.6	6.5	9.3	0.0			
5173 / 1 / Storage area ambient air, with filter		14:33	0.0	21.5	0.1	0.0			
5173 / 1 / Storage area ambient air, without filter		14:33	0.0	21.5	0.0	0.0			
5173 / 1 / C / Storage area with filter		15:57	96.2	8.8	2.9	0.3			
5173 / 1 / C / Storage area without filter		15:57	96.2	8.7	2.7	0.5			
5173 / 1 / A / Office area ambient air with filter	12/19/2013	14:36	0.0	21.6	0.0	0.0	30s - 40s	None	1016 - 1018
5173 / 1 / A / Office area ambient air without filter		14:36	0.0	21.5	0.1	0.0			
5173 / 1 / A / Office area with filter		15:00	0.6	20.8	0.5	0.0			
5173 / 1 / A / Office area without filter		15:00	0.6	20.7	0.6	0.0			
5173 / 1 / B / Firing Range ambient air with filter		14:39	0.0	21.6	0.0	0.0			
5173 / 1 / B / Firing Range ambient air without filter		14:39	0.0	21.6	0.0	0.0			
5173 / 1 / B / Firing Range with filter		15:05	0.0	9.0	7.8	0.0			
5173 / 1 / B / Firing Range without filter		15:05	0.0	9.1	8.3	0.0			
5173 / 1 / Storage area ambient air, with filter		14:23	0.0	21.3	0.0	0.0			
5173 / 1 / Storage area ambient air, without filter		14:23	0.0	21.3	0.0	0.0			
5173 / 1 / C / Storage area with filter		15:08	116.3	11.8	1.3	0.1			
5173 / 1 / C / Storage area without filter		15:08	116.3	11.7	1.8	0.2			

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	12/23/2013	12:46	0.0	21.5	0.0	0.0	20s - 30s	Trace (0.02 inches)	1026 - 1029			
5173 / 1 / A / Office area ambient air without filter		12:46	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area with filter		13:04	0.0	16.4	4.0	0.0						
5173 / 1 / A / Office area without filter		13:04	0.0	16.5	2.7	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:41	0.0	21.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:41	0.0	21.6	0.0	0.0						
5173 / 1 / B / Firing Range with filter		13:10	0.4	11.0	7.0	0.0						
5173 / 1 / B / Firing Range without filter		13:10	0.4	10.6	8.3	0.0						
5173 / 1 / Storage area ambient air, with filter		12:43	0.0	21.6	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:43	0.0	21.6	0.0	0.0						
5173 / 1 / C / Storage area with filter		13:15	126.8	13.2	2.9	0.2						
5173 / 1 / C / Storage area without filter		13:15	126.8	13.4	1.8	0.2						
5173 / 1 / A / Office area ambient air with filter	1/2/2014	15:48	0.0	22.0	0.0	0.0	20 - 30	5.46 inches	1012 - 1026			
5173 / 1 / A / Office area ambient air without filter		15:48	0.0	22.0	0.1	0.0						
5173 / 1 / A / Office area with filter		16:25	0.8	21.2	0.2	0.0						
5173 / 1 / A / Office area without filter		16:25	0.8	21.1	0.4	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		15:42	0.0	21.5	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		15:42	0.0	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter	1/9/2014	16:28	86.4	15.0	0.5	0.0	20s - 30s	1.55 inches	1026 - 1035			
5173 / 1 / C / Storage area without filter		16:28	86.4	14.7	1.4	0.1						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	21.2	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.3	0.1	0.0						
5173 / 1 / A / Office area with filter		14:56	3.3	20.7	1.8	0.0						
5173 / 1 / A / Office area without filter		14:56	3.3	21.0	0.2	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:31	0.0	21.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter	1/16/2014	13:31	0.0	21.2	0.0	0.0	20s - 30s	0.97 inches	1008 - 1019			
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation										
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:33	0.0	21.1	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:33	0.0	21.2	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:00	81.4	10.2	0.8	0.1						
5173 / 1 / C / Storage area without filter		15:00	81.4	9.8	1.4	0.2						
5173 / 1 / A / Office area ambient air with filter	1/23/2014	12:34	0.0	21.1	0.0	0.0	5 - 15	Trace	1019 - 1038			
5173 / 1 / A / Office area ambient air without filter		12:34	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		13:13	2.1	21.0	0.4	0.0						
5173 / 1 / A / Office area without filter		13:13	2.1	20.9	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:36	0.0	20.9	0	0						
5173 / 1 / B / Firing Range ambient air without filter		12:36	0.0	20.9	0	0						
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation										
5173 / 1 / B / Firing Range without filter	1/28/2014	Inaccessible due to Firing Range operation						None	1030 - 1033			
5173 / 1 / Storage area ambient air, with filter		12:37	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:37	0.0	20.9	0.1	0.0						
5173 / 1 / C / Storage area with filter		13:20	96.1	14.7	1.0	0.1						
5173 / 1 / C / Storage area without filter		13:20	96.1	14.6	1.5	0.2						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.5	0.0	0.0						
5173 / 1 / A / Office area with filter	1/28/2014	14:35	2.6	21.2	0.8	0.0	5	None	1030 - 1033			
5173 / 1 / A / Office area without filter		14:35	2.6	21.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:10	0.0	21.4	0.1	0						
5173 / 1 / B / Firing Range ambient air without filter		12:10	0.0	21.4	0	0						
5173 / 1 / B / Firing Range with filter		13:13	3.4	18.8	5.3	0.0						
5173 / 1 / B / Firing Range without filter		13:13	3.4	18.7	4.7	0.0						
5173 / 1 / Storage area ambient air, with filter		12:12	0.0	21.4	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter	1/28/2014	12:12	0.0	21.4	0.0	0.0	5	None	1030 - 1033			
5173 / 1 / C / Storage area with filter		13:27	72.8	15.8	0.5	0.1						
5173 / 1 / C / Storage area without filter		13:27	72.8	15.7	1.2	0.2						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	21.8	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.8	0.1	0.0						
5173 / 1 / A / Office area with filter		14:35	0.0	21.1	0.3	0.0						
5173 / 1 / A / Office area without filter		14:35	0.0	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter	1/28/2014	13:15	0.1	21.3	0	0	5	None	1030 - 1033			
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.1	21.4	0	0						
5173 / 1 / B / Firing Range with filter		14:44	0.0	18.8	3.5	0.0						
5173 / 1 / B / Firing Range without filter		14:44	0.0	18.8	4.2	0.0						
5173 / 1 / Storage area ambient air, with filter		13:19	0.0	21.4	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:19	0.0	21.5	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:50	60.9	15.5	0.7	0.1						
5173 / 1 / C / Storage area without filter	1/28/2014	14:50	60.9	15.0	1.2	0.2	5	None	1030 - 1033			
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	21.8	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.8	0.1	0.0						
5173 / 1 / A / Office area with filter		14:35	0.0	21.1	0.3	0.0						
5173 / 1 / A / Office area without filter		14:35	0.0	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:15	0.1	21.3	0	0						
5173 / 1 / B / Firing Range ambient air without filter		13:15	0.1	21.4	0	0						
5173 / 1 / B / Firing Range with filter	1/28/2014	14:44	0.0	18.8	3.5	0.0	5	None	1030 - 1033			
5173 / 1 / B / Firing Range without filter		14:44	0.0	18.8	4.2	0.0						
5173 / 1 / Storage area ambient air, with filter		13:19	0.0	21.4	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:19	0.0	21.5	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:50	60.9	15.5	0.7	0.1						
5173 / 1 / C / Storage area without filter		14:50	60.9	15.0	1.2	0.2						

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	2/6/2014	13:10	0.0	21.1	0.1	0.0	15 - 25	0.3 inches	1029 - 1032			
5173 / 1 / A / Office area ambient air without filter		13:10	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		14:00	2.3	21.2	0.1	0.0						
5173 / 1 / A / Office area without filter		14:00	2.3	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:12	0.0	20.9	0.1	0						
5173 / 1 / B / Firing Range ambient air without filter		13:12	0.0	20.9	0	0						
5173 / 1 / B / Firing Range with filter		Inaccessible due to Firing Range operation										
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		13:14	0.0	21.0	0.1	0.0						
5173 / 1 / Storage area ambient air, without filter		13:14	0.0	21.1	0.1	0.0						
5173 / 1 / C / Storage area with filter	2/13/2014	14:10	105.9	16.9	1.0	0.1	25 - 35	None	1003 - 1018			
5173 / 1 / C / Storage area without filter		14:10	105.9	16.8	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter		13:48	0.0	21.2	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:48	0.0	21.3	0.1	0.0						
5173 / 1 / A / Office area with filter		15:30	1.8	20.9	2.4	0.0						
5173 / 1 / A / Office area without filter		15:30	1.8	21.2	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:40	0.0	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:40	0.0	21.3	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:25	4.1	19.2	2.5	0.0						
5173 / 1 / B / Firing Range without filter		15:25	4.1	19.1	3.1	0.0						
5173 / 1 / Storage area ambient air, with filter	2/20/2014	9:43	0.0	21.0	0.0	0.0	35 - 40	None	1010 - 1014			
5173 / 1 / Storage area ambient air, without filter		9:43	0.0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		9:55	117.4	15.9	0.8	0.1						
5173 / 1 / C / Storage area without filter		9:55	117.4	15.8	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:43	0.0	20.7	0.0	0.0						
5173 / 1 / A / Office area with filter		14:25	0.4	20.5	0.8	0.0						
5173 / 1 / A / Office area without filter		14:25	0.4	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:44	0.0	20.7	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:44	0.0	20.7	0.0	0.0						
5173 / 1 / B / Firing Range	2/27/2014	Inaccessible due to Firing Range operation						Trace	1008 - 1024			
5173 / 1 / Storage area ambient air, with filter		13:45	0.0	20.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:45	0.0	20.7	0.1	0.0						
5173 / 1 / C / Storage area with filter		14:32	63.4	16.5	1.0	0.0						
5173 / 1 / C / Storage area without filter		14:32	63.4	16.5	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter		12:56	0.0	21.2	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:56	0.0	21.2	0.0	0.0						
5173 / 1 / A / Office area with filter		13:25	0.9	21.1	0.0	0.0						
5173 / 1 / A / Office area without filter		13:25	0.9	21.1	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:54	0.0	21.3	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter	3/6/2014	12:54	0.0	21.3	0.0	0.0	15 - 25	None	1020 - 1029			
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:52	0.0	21.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:52	0.0	21.3	0.1	0.0						
5173 / 1 / C / Storage area with filter		13:32	64.0	16.5	2.3	0.1						
5173 / 1 / C / Storage area without filter		13:32	64.0	16.6	1.1	0.2						
5173 / 1 / A / Office area ambient air with filter		13:40	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:40	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area with filter		14:40	0.2	20.7	0.3	0.0						
5173 / 1 / A / Office area without filter		14:40	0.2	20.6	0.2	0.0						
5173 / 1 / B / Firing Range	4/2/2014	Inaccessible due to Firing Range operation						35 - 45	Trace (0.15 inches)	1020		
5173 / 1 / Storage area ambient air, with filter		13:50	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:50	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:00	57.1	16.0	1.2	0.1						
5173 / 1 / C / Storage area without filter		15:00	57.1	15.8	1.2	0.1						
5173 / 1 / A / Office area ambient air with filter		12:44	0.0	21.4	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		12:44	0.0	21.4	0.0	0.0						
5173 / 1 / A / Office area with filter		12:44	1.0	21.4	0.1	0.0						
5173 / 1 / A / Office area without filter		12:44	1.0	21.4	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		12:42	0.1	21.4	0.1	0.0						
5173 / 1 / B / Firing Range ambient air without filter		12:42	0.1	21.4	0.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:40	0.1	21.3	0.2	0.0						
5173 / 1 / Storage area ambient air, without filter		12:40	0.1	21.3	0.1	0.0						
5173 / 1 / C / Storage area with filter		12:40	65.3	16.3	1.2	0.1						
5173 / 1 / C / Storage area without filter		12:40	65.3	16.4	1.0	0.1						

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	5/8/2014 [3]	15:05	0.0	20.6	0.0	0.0	75-85	None	1013-1017			
5173 / 1 / A / Office area ambient air without filter		15:05	0.0	20.6	0.0	0.0						
5173 / 1 / A / Office area with filter		15:55	0.1	20.5	0.0	0.0						
5173 / 1 / A / Office area without filter		15:55	0.1	20.5	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		14:50	0.0	19.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		14:50	0.0	20.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:49	2.0	18.1	1.9	0.0						
5173 / 1 / B / Firing Range without filter		15:49	2.0	18.1	2.1	0.0						
5173 / 1 / Storage area ambient air, with filter		14:57	0.0	20.3	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:57	0.0	20.3	0.0	0.0						
5173 / 1 / C / Storage area with filter	6/3/2014	15:58	51.1	18.2	0.8	0.0	75-85	Trace	1011-1014			
5173 / 1 / C / Storage area without filter		15:58	51.1	18.2	1.2	0.0						
5173 / 1 / A / Office area ambient air with filter		12:17	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		12:17	0.0	20.8	0.0	0.0						
5173 / 1 / A / Office area with filter		12:32	0.3	21.0	0.0	0.0						
5173 / 1 / A / Office area without filter		12:32	0.3	21.1	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		12:43	0.1	21.1	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		12:43	0.1	21.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		12:50	30.9	16.9	2.3	0.0						
5173 / 1 / C / Storage area without filter		12:50	30.9	16.8	2.5	0.1						
5173 / 1 / A / Office area ambient air with filter	7/17/2014	13:32	0.0	20.5	0.0	0.0	70-75	None	1016-1020			
5173 / 1 / A / Office area ambient air without filter		13:32	0.0	20.6	0.0	0.0						
5173 / 1 / A / Office area with filter		15:49	0.0	20.2	0.1	0.0						
5173 / 1 / A / Office area without filter		15:49	0.0	20.3	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:20	0.2	20.6	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:20	0.2	20.7	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:53	4.0	16.2	3.1	0.0						
5173 / 1 / B / Firing Range without filter		15:53	4.0	16.2	3.3	0.0						
5173 / 1 / Storage area ambient air, with filter		13:45	0.0	20.9	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:45	0.0	20.9	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/14/2014	16:19	43.2	15.8	2.5	0.0	70-80	None	1014-1017			
5173 / 1 / C / Storage area without filter		16:19	43.2	15.7	2.7	0.0						
5173 / 1 / A / Office area ambient air with filter		13:35	0.0	20.9	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		13:35	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		15:13	0.8	20.9	0.0	0.0						
5173 / 1 / A / Office area without filter		15:13	0.8	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:08	0.2	20.9	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:08	0.2	20.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:08	4.7	16.9	3.2	0.0						
5173 / 1 / B / Firing Range without filter		15:08	4.7	16.9	3.4	0.0						
5173 / 1 / Storage area ambient air, with filter	10/9/2014	13:22	0.3	21.0	0.0	0.0	50s	0.3 inches	1017-1021			
5173 / 1 / Storage area ambient air, without filter		13:22	0.3	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter		15:18	51.9	16.6	2.8	0.0						
5173 / 1 / C / Storage area without filter		15:18	51.9	16.6	2.9	0.0						
5173 / 1 / A / Office area ambient air with filter		Inaccessible due to Firing Range operation										
5173 / 1 / A / Office area ambient air without filter		0.0	20.7	0.1	0.0	0						
5173 / 1 / A / Office area with filter		0.0	20.7	0.0	0.0	0						
5173 / 1 / A / Office area without filter		13:23	0.0	20.6	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		0.0	20.6	0.3	0.0	0						
5173 / 1 / B / Firing Range ambient air without filter		0.0	20.7	0.2	0.0	0						
5173 / 1 / B / Firing Range with filter		0.0	20.7	0.1	0.0	0						
5173 / 1 / B / Firing Range without filter		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter	11/26/2014	13:29	60.4	18.3	1.5	0.0	30-35	None	1018-1023			
5173 / 1 / Storage area ambient air, without filter		13:29	60.4	18.1	1.7	0.0						
5173 / 1 / C / Storage area with filter		14:10	23.2	21.1	0.2	0.0						
5173 / 1 / C / Storage area without filter		14:10	23.2	21.1	0.4	0.0						

Table 2

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Vapor Intrusion Sampling Values
Parcel 5173 Building 15 - Sim Trainer
2031 Dryden Road
South Dayton Dump and Landfill Site
Moraine, Ohio

Sample Location: Parcel / Building / Probe	Date:	PID	O ₂	CO ₂	CH ₄	LEL	Ambient Temperature (°F)	Summary of Recent Precipitation	Barometric Pressure (hPa)			
		Time (ppm)	(%)	(%)	(%)	(%)						
5173 / 1 / A / Office area ambient air with filter	2/6/2015	14:05	0.0	21.4	0.0	0.0	25-35	None	1022 - 1030			
5173 / 1 / A / Office area ambient air without filter		14:05	0.0	21.4	0.0	0.0						
5173 / 1 / A / Office area with filter			0.0	21.2	1.8	0.0						
5173 / 1 / A / Office area without filter			0.0	21.1	2.1	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation / Gas probe damaged per site personnel notification										
5173 / 1 / Storage area ambient air, with filter		14:19	0.1	21.7	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:19	0.1	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		16:33	11.7	20.5	0.5	0.1						
5173 / 1 / C / Storage area without filter		16:33	11.7	20.6	0.5	0.1						
5173 / 1 / A / Office area ambient air with filter	5/20/2015	14:43	0.0	20.8	0.0	0.0	50-60	None	1016 - 1022			
5173 / 1 / A / Office area ambient air without filter		14:43	0.0	20.9	0.1	0.0						
5173 / 1 / A / Office area with filter		16:35	0.4	20.9	0.4	0.0						
5173 / 1 / A / Office area without filter		16:35	0.4	21.1	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:47	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:47	0.0	21.0	0.0	0.0						
5173 / 1 / B / Firing Range with filter		16:33	4.7	18.8	1.8	0.0						
5173 / 1 / B / Firing Range without filter		16:33	4.7	18.9	1.7	0.0						
5173 / 1 / Storage area ambient air, with filter		14:02	0.0	21.0	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		14:02	0.0	21.0	0.0	0.0						
5173 / 1 / C / Storage area with filter	8/20/2015	16:54	12.3	18.8	0.8	0.0	65-70	Trace	1009 - 1017			
5173 / 1 / C / Storage area without filter		16:54	12.3	18.7	0.9	0.0						
5173 / 1 / A / Office area ambient air with filter		10:55	0.0	20.1	0.0	0.0						
5173 / 1 / A / Office area ambient air without filter		10:55	0.0	20.2	0.0	0.0						
5173 / 1 / A / Office area with filter		14:39	0.0	20.0	0.0	0.0						
5173 / 1 / A / Office area without filter		14:39	0.0	20.2	0.0	0.0						
5173 / 1 / B / Firing Range		Inaccessible due to Firing Range operation										
5173 / 1 / Storage area ambient air, with filter		10:36	0.9	20.2	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		10:36	0.9	20.1	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:43	4.7	17.8	1.5	0.0						
5173 / 1 / C / Storage area without filter		14:43	4.7	17.7	1.7	0.0						
5173 / 1 / A / Office area ambient air with filter	11/5/2015	14:06	0.0	21.0	0.0	0.0	60-70	Trace	1019 - 1021			
5173 / 1 / A / Office area ambient air without filter		14:06	0.0	21.0	0.0	0.0						
5173 / 1 / A / Office area with filter		14:57	0.7	20.8	0.3	0.0						
5173 / 1 / A / Office area without filter		14:57	0.7	20.7	0.0	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:43	0.0	20.8	0.0	0.0						
5173 / 1 / B / Firing Range with filter		15:05	2.8	19.7	0.4	0.0						
5173 / 1 / B / Firing Range without filter		15:05	2.8	19.4	1.3	0.0						
5173 / 1 / Storage area ambient air, with filter		13:48	0.0	20.8	0.0	0.0						
5173 / 1 / Storage area ambient air, without filter		13:48	0.0	20.8	0.0	0.0						
5173 / 1 / C / Storage area with filter	1/28/2016	15:10	3.7	19.3	0.4	0.0	35-45	Trace	1005 - 1012			
5173 / 1 / C / Storage area without filter		15:10	3.7	19.1	0.9	0.0						
5173 / 1 / A / Office area ambient air with filter		14:04	0.0	21.7	0.1	0.0						
5173 / 1 / A / Office area ambient air without filter		14:04	0.0	21.7	0.1	0.0						
5173 / 1 / A / Office area with filter		14:31	1.0	21.7	0.2	0.0						
5173 / 1 / A / Office area without filter		14:31	1.0	21.7	0.1	0.0						
5173 / 1 / B / Firing Range ambient air with filter		13:45	0.0	21.8	0.0	0.0						
5173 / 1 / B / Firing Range ambient air without filter		13:45	0.0	21.9	0.0	0.0						
5173 / 1 / B / Firing Range with filter		14:27	2.6	21	0.3	0.2						
5173 / 1 / B / Firing Range without filter		14:27	2.6	20.9	0.9	0.0						
5173 / 1 / Storage area ambient air, with filter	1/28/2016	13:52	0.0	21.7	0.0	0.0	35-45	Trace	1005 - 1012			
5173 / 1 / Storage area ambient air, without filter		13:52	0.0	21.7	0.0	0.0						
5173 / 1 / C / Storage area with filter		14:35	3.7	20.6	0.4	0.0						
5173 / 1 / C / Storage area without filter		14:35	3.7	20.5	0.5	0.0						

Notes:

¹ - The explosive gas monitor baseline reading was 1 percent LEL. The meter did not zero for LEL readings and the corresponding methane readings were 0 percent; therefore, the readings of 1 percent are anomalous.

^[2] - Combustible Gas measurements from SIM Trainer were not collected during the week of February 20th, due to range

^[3] - CO₂ readings started at 0.1 ppm.

R - Value was rejected (R) as the LEL reading did not correspond to the methane reading of 0 percent.

PID - Photoionization Detector

O₂ - Oxygen

CO₂ - Carbon Dioxide

CH₄ - Methane

LEL - Lower Explosive Limit

U - Qualified as non-detect due to issues with the filter

Value - Value is greater than screening levels for rapid response (USEPA, 2010).

Source of weather data for July to September 2016:

https://www.wunderground.com/history/airport/KDAY/2016/9/28/DailyHistory.html?req_city=&req_state=&req_state_name=&reqdb.zip=&reqdb.magic=&reqdb.wmo=